



Surgeon General's Office

LIBRARY

Section, .....

No. 83724

















INSTRUCTIONS

FOR

MEDICAL OFFICERS

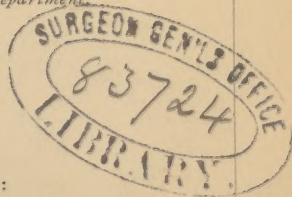
OF THE

UNITED STATES NAVY.

---

*Published by order of the Navy Department.*

---



WASHINGTON:  
GOVERNMENT PRINTING OFFICE.

1878.



## CONTENTS.

---

	Page.
General Duties .....	I
Supplies.....	11
Recruiting.....	15
Sea-Going Vessels.....	22
Surgeon of the Fleet .....	23
Hospitals.....	24
Surveys .....	32
Apothecaries.....	34
Forms A to Z.....	35, 122, 124
Supply Tables .....	95, 123
Nomenclature of Diseases.....	115



---

## INSTRUCTIONS.

---





# INSTRUCTIONS

FOR

## MEDICAL OFFICERS OF THE U. S. NAVY.

---

### ARTICLE I.

#### GENERAL DUTIES.

##### 1.

Medical officers are required to have a knowledge of the laws and regulations relating to their duties.

##### 2.

The senior medical officer of every naval station and of every vessel in commission shall himself keep, or cause to be kept by a medical officer subordinate to him, the following official records:

**1. A List of Patients** in a book provided for the purpose, in which the name, grade or rate, age, nativity, date and place of enlistment, date of admission, where from, date of discharge, number of days on sick-list, disease, and final disposition of every case treated and excused from duty on account of sickness or disability shall be entered in the order of their admission.

On the last day of the current quarter the number of those remaining from the previous quarter, if there be any, those admitted, discharged to duty, discharged from service from any cause, deserted, transferred to hospitals, ships, &c., invalided to the United States, died and remaining on the list, and the aggregate number of daily sick, shall be summed up for entry in the quarterly report of sick (Form **K**).

On the first day of the ensuing quarter, the names, grades or rates, &c., of those remaining on the sick-list from the previous quarter, shall be re-entered, and following these, with the interval of a blank line, the names, grades or rates, &c., of those admitted during the quarter then begun.

This list of patients will include every case treated and excused from duty, and from it the quarterly report of sick will be compiled, and not, as heretofore, from the Medical Journal.

**2. A Medical Journal** in form as attached to the blank-books supplied for that purpose, carefully noting the following particulars:

- a. Patient's name in full, also his grade or rate, both from the muster-roll.
- b. Age, — years.
- c. Native of ———.
- d. Color.
- e. Enlisted at ———, on the ——— day of ———, 18—.
- f. Disease, by name from accompanying Nomenclature, with explanatory remarks, if necessary.
- g. Time and place of occurrence, or dates between which there was continuous exposure to morbid cause.
- h. Whether considered to be in line of duty or not in line of duty, state all *facts* that can be elicited, distinguishing between the testimony of the patient himself and that of any other witness, and in express terms accepting or rejecting that of the patient, and giving reasons for so doing.
- i. Medical officers will observe conciseness in clinical reporting. Common symptoms of ephemeral diseases and details of treatment need not be noted; the simple nosological title will suffice in such cases; as "*Diarrhoea Acuta*," "*Constipation*," "*Catarrhus*," with statement of origin.

The note, "treatment continued," should appear only when the treatment of the previous day is actually continued; otherwise the expressions "no change," "improving," "convalescing," &c., may better be used. Essential points in the history of important cases should be carefully noted, that they may be published for the information of the profession.

The following are outlines of the phenomena, which should be observed in such recorded cases:

### History.

1. Of previous sickness.
2. Of present attack.

**Present State.**

1. General symptoms.
  - a. Skin—dryness, moisture.
  - b. Pulse—frequency, force, fullness, &c.
  - c. Tongue—coating, moisture, movements.
  - d. Bowels and kidneys.
  - e. Appetite—thirst.
  - f. Thermometric condition.
2. Appearance.
  - a. Size.
  - b. Aspect and expression.
  - c. Color—other than that of race.
3. Position.
  - a. In bed—decubitus.
  - b. Out of bed—gait, manner, strength.
4. Sensations.

**Special Symptoms.**

1. Innervation.
  - a. Brain.
  - b. Spinal marrow—special senses, motion, and sensational differences.
2. Circulation.
  - a. Heart.
  - b. Vessels.
3. Respiration.
  - a. Number and extent.
  - b. Auscultatory signs.
  - c. Percussion sounds.
4. Digestion.
  - a. Assimilation.
  - b. Excretion.
 

Character of fæces.

Character of urine—chemical and physical examination.

If a Post-Mortem Examination is made, all facts ascertained shall be entered in detail.

**Records of the Temperature, Pulse, Respiration and Excreta** (Form **W**) will be kept, and at hospitals these records will be attached to the case-paper.

When the Journal is written by a subordinate medical officer, it shall be signed by him, and the medical officer in charge will examine it daily and attest its correctness by signing under the word "Approved."

### Model for Medical Journal.

U. S. S. ——— (—— RATE),  
NAVY-YARD, ———,  
———— —th, 18—.

Received officers and crew, numbering — persons.

[Signature of Medical Officer.]

NAVY-YARD, ———,  
———— —th, 18—.

Inspected the ship's company and vaccinated the following:

[List of vaccinated.]

Instructed men in the 1st and 2d Divisions in the use of the tourniquet.

**A. HENRY ASHTON**, ordinary seaman, age 25, native of Philadelphia, shipped at Boston, December 3, 1865.

**Pleuritis Acuta**, originating in line of duty by exposure to a heavy storm, while on lookout, last night.

(Details of symptoms and treatment here.)

Admitted, 1 ..... (1.)

(i. e., 1 sick-day.)

[Signature of Medical Officer.]

Approved:

[Signature of Medical Officer in charge.]



OFF NEW YORK,

*January 19, 1873.*

HENRY ASHTON: Little fever, slight pain, and low friction-sound on right side.

(Treatment.)

A. JOHN BROWN.

(Describe and index him, etc.)

Admitted, 1.

Discharged, 0.

Total.....(2.)

(i. e., 1 yesterday and 2 to-day, making  
3 the aggregate of daily sick.)

Instructed 3d and 4th Divisions in tourniquets, and vaccinated the following:

(List of vaccinated.)

Recommended to the Commanding Officer that, etc., etc.

[Signature of Medical Officer.]

Approved:

AT SEA, LAT. —, LONG. —,

*January 20, 1873.*

HENRY ASHTON: Convalescent.

D. JOHN BROWN, discharged to duty; no traces of disease remaining.

(This note is made against pension claim by John Brown; if his disease or injury had left any consequences, a careful statement of them should have followed.)

A. HENRY DAVIS:

(Describe and index him.)

A. WILLIAM CULLEN:

Do.)

A. PHILIP BUNCE:

(Do.)

Admitted, 3.

Discharged, 1.

Total, 4.....(7.)

(i. e., 3 yesterday and 4 to-day.)

[Signature of Medical Officer.]

<b>A.</b>	in margin means	<b>ADMITTED.</b>
<b>D.</b>	" "	<b>DISCHARGED TO DUTY.</b>
<b>Dsd.</b>	" "	<b>DESERTED.</b>
<b>DD.</b>	" "	<b>DIED.</b>
<b>H.</b>	" "	<b>SENT TO HOSPITAL.</b>
<b>T.</b>	" "	<b>TRANSFERRED SOMEWHERE.</b>
<b>I.</b>	" "	<b>INVALIDED TO U. S.</b>

Blank-books for Medical Journals will be supplied by the Laboratory, and each will have its own alphabetical index to be kept as follows :

#### INSTRUCTIONS FOR USE OF INDEX.

*Henry Ashton* first appears at page 1, where the description of him is complete; he re-appears at page 34, where reference is made to page 1; again at page 67, and new reference, "see page 1."

<i>Ashton, (Henry.)</i> 1. 34. 67. 89. 121. 156.....	<b>A.</b>	In Index.
<i>Brown, (John.)</i> 2. 31. 42. 51.....	<b>B.</b>	"
<i>Bunce, (Philip.)</i> 4. 75. 108.....	<b>B.</b>	"
<i>Cullen, (Wm.)</i> 4. 19. 63.....	<b>C.</b>	"
<i>Davis, (Henry.)</i> 3.....	<b>D.</b>	"

When the first line allotted to any name is filled, take up that name again on the next blank line below ; *e. g.* :

*Ashton, (Henry.)* 190. 234.

The Journal may thus be traced for a full history of each case.

When the same patient is admitted more than once, it will be sufficient to refer to his original description, and record only the new or recurring disease; when he is discharged to duty, it should be noted whether any traces of his disease remain.

Every case of disease or disability registered in the Quarterly List of Patients shall also be entered in the Medical Journal in the record of the day on which admitted, and the record of the day must not be considered closed when the morning report of sick is made, but must be kept open until the close of the day, and then be signed by the medical officer on duty during that day.

When medicines, &c., are administered to persons not registered on the list of patients, the prescription and the name of the person

for whom it is prescribed must be written in the Medical Journal, and the name entered in the index of the Journal.

### 3. A yearly **Abstract of Patients.**

This is intended to be a concise, alphabetical record of every case of disease or injury occurring in the Navy. It is to be written by the medical officer himself only, and must be exact in every particular of date, spelling of name, personal description, disease, and origin, whether in line of duty or not in line of duty. Each case must be complete in itself; such abbreviations as "ditto," for example, are never to be used.

The column "HOW DISCHARGED" is to be left blank when the patient returns to the duty from which he was relieved; but, in all other cases, the fact of *death*, or of *transfer* (as to *hospital* or some *other vessel*), the *expiration of enlistment*, or *discharge from service with certificate of ordinary disability or otherwise*, should be recorded. The entry under "ORIGIN," must be either *duty* or *not duty* (which are always to be understood as equivalent to "originating" or "not originating in the line of duty"); and in the column "REMARKS," a concise, abbreviated statement of all the facts on which the opinion is based, no matter what origin. This statement is designed as an epitome of the complete history of such cases in the Medical Journal.

Separate sheets will be used for each letter of the alphabet; and at the end of the year they will be transmitted to the Bureau for binding; new sheets will be opened on the first day of each ensuing year, with the names of the sick then remaining under treatment.

The signature of the medical officer in charge must be attached to each page of this Abstract, in the lower right-hand corner; and should he be relieved from duty before the page is filled, his name should appear on the line next after the last entry, at the date of his detachment.

4. A **Report of Sick** (Form J) will be made to the commanding officer every morning; all persons excused from duty for any cause, however slight, and all persons under treatment, whether excused from duty or not, must be included in that report, which should also contain any sanitary recommendations the medical officer may have to make. This report will be forwarded in a sealed envelope to the

commanding officer. A list of all persons excused from duty will be placed in the binnacle every morning. (**Binnacle List.**)

When spirituous liquors are prescribed, they must be administered by some person to whom that duty is specially assigned by the medical officer in charge.

The execution of verbal orders shall be immediately reported to the medical officer who gave them.

**5.** When a patient is transferred from one medical officer to another, he must be accompanied by an accurate statement of his case, embodying all facts in evidence of origin of disability, whether in line of duty or not; if a rated man, his effects must be transferred with him (**Hospital ticket**, Form **G**), and a full record of his case made, both in the Medical Journal of the vessel or station *from* which he is transferred, and that *to* which transferred; all such cases to be reported to the Bureau, in the sick-report (Form **K**).

**6.** On the 1st day of January, April, July, and October, a **Report of Sick** (Form **K**) will be made for the preceding quarter, or such part of it as may have been involved; this report must be sent to the Bureau, or to the surgeon of the fleet; and it should be made with care and neatness. The instructions on the model form will indicate its precise use, and the report will be accompanied by the following vouchers:

- a.** A triplicate receipt for articles obtained from the Naval Laboratory, or from any person in charge of stores for distribution.
- b.** A triplicate of all bills paid.
- c.** On the 1st of April and October, requisitions in quadruplicate for all regular supplies for the next six months.
- d.** Papers of any kind referring to public service during the quarter.
- e.** A daily record of atmospheric observations (Form **Z**) will be made on board all ships in commission furnished with the necessary apparatus. At the end of each quarter these observations will be forwarded with the other quarterly returns.

**7. Certificates of Ordinary Disability** (Form **R**) and

**8. Certificates of Death** (Form **S**), and all other papers interesting to parties claiming pensions, are to be forwarded, without delay, through the proper channels to the surgeon of the fleet or to the Bureau.

Medical officers of cruising vessels will note on the Quarterly Report of Sick (Form **K**) the ports visited and the number of days at sea and in port during the quarter.

The senior medical officer will prepare all his own receipts and returns, permitting fair copies only to be made for his signature.

When one medical officer is relieved by another, he shall leave with his successor all official papers necessary to carry on the duty; and for such papers he shall take a receipt in duplicate, and forward one to the Bureau.

**9.** On shore-stations, hospitals, and receiving-ships the senior medical officer shall make an **Inventory**, on the 1st of July, of all property belonging to the medical department in his charge, and transmit it to the Bureau.

**10.** The senior medical officer of every vessel and station will make a **Sanitary Report** to the Bureau on the 1st of January, or at the end of a cruise, if less than a year, under the heads of Hygiene, Climatology, and Medical Topography of any station or place visited, with all attainable information respecting statistics of disease and its causes, establishments for the care of the sick, charitable institutions, medical colleges, or other matters of professional interest.

From stations this report will be forwarded to the Bureau, and from vessels will be transmitted to the surgeon of the fleet, to be forwarded by prescribed channels.

It will be sufficient, when the facts under any head have been fully reported on one or more occasions, simply to refer in subsequent reports to the dates when such details were originally reported.

Assistant surgeons, candidates for promotion, shall present to the Board of Examiners testimonials of proper habits from the medical officers with whom they have been associated on duty; also a medical journal, in the candidate's own handwriting. This shall be a record of professional experience in the Navy, and shall contain detailed accounts of their most important or typical cases, with original ob-



servations upon the hygiene of the vessels and stations to which they may have been attached; and upon medical topography, hospitals, and other matters of professional interest on such stations, at home and abroad.

Assistant surgeons, whether passed or otherwise, shall see that medicines are properly weighed or measured, and labeled, for distribution to the sick.

When any person is reported ill or injured, he will be immediately visited by a medical officer, who will not prescribe nor order his removal without personal inspection of the patient.

Passed assistant and assistant surgeons, when in separate charge, will be governed by these Instructions, with which they are expected to be familiar, and upon which assistant surgeons will be strictly examined.

## ARTICLE II.

## SUPPLIES.

**1.**

The Director of the Laboratory will receive timely notice of the probable force to be kept afloat; and, for this and other current wants, he will keep on hand, by manufacture or otherwise, an adequate stock of the articles enumerated in the **Supply-table**.

**2.**

Whenever a vessel is to be made ready for sea he will be notified to prepare her outfit; and on forwarding it he will transmit to the senior medical officer of the vessel, medical outfit-papers, in duplicate, and a priced invoice, who, after ascertaining their correctness, will sign attached receipts, send one copy to the Bureau, the other to the Laboratory, and retain the priced invoice.

**3.**

The Laboratory is not held responsible for loss or breakage of articles properly packed; nor shall such loss be made good in any other way than by supplementary requisition. The articles lost or destroyed should be accounted for as expended.

**4.**

**Requisitions** (Form **B**), in quadruplicate, are to be made semi-annually, on the 1st of April and October.

**5.**

In making requisitions for utensils of any kind to be furnished by the Laboratory, medical officers will be precise in giving measurements of capacity, and the kind and quality of every article required, and in naming medicines to be equally careful that the quantities asked for shall agree with those of the Supply-table, so as to avoid breaking packages.

**6.**

Articles not on the Supply-table may be called for by special requisition (Form **B**) but these are not to be made unless the articles are considered indispensable.

**7.**

On the 1st of April and October the surgeon of the fleet will make requisitions for articles to be distributed, and from this stock he will, as far as possible, supply medical officers, on approved requisitions (Form **B**).

**8.**

On foreign stations the surgeon of the fleet will purchase or select the necessary supplies.

**9.**

The senior medical officer of a vessel temporarily separated from the flag-ship may make purchases upon requisitions approved by the commanding officer. Upon rejoining the flag-ship the necessity for making such purchases must be recognized by the approval of the surgeon of the fleet and that of the commander-in-chief.

**10.**

When a vessel is put out of commission on the Atlantic sea-board her surgical instruments and medical stores of every kind, carefully packed and accompanied with an accurate inventory, in triplicate, made out in the order of the Supply-table, stating the quantity and condition of the articles, and signed by the senior medical officer of the vessel, will be transferred to the medical officer of the navy-yard, who will forward them, with the papers, by the first public conveyance to the Laboratory. All stores and instruments received at the Laboratory will be surveyed according to regulations, and such as are fit for reissue will be accounted for in the general stock of the Laboratory.

On the Pacific coast the medical stores, &c., of vessels put out of commission will be transferred in the same manner to the medical officer at the navy-yard, Mare Island, who will request a survey upon them, and hold such as may be fit for reissue subject to requisition as part of his stock on hand.

### 11.

When medical officers transfer public property they will accompany it with a packing-list and an accurate inventory in triplicate, in the order of the Supply-table. The receipts on the inventories will be signed by the officer receiving the property, who will retain one copy, send one to the Bureau, or to the surgeon of the fleet, and one to the officer from whom the property is received.

### 12.

Pay-officers of vessels and officers in charge of public stores at navy-yards and stations are authorized to supply articles required in the medical department, and to take receipts for them, as prescribed by the Bureau of Provisions and Clothing (Form C). Medical officers will not be permitted to keep current accounts with apothecaries or other persons, except for washing, and contracts for provisions and groceries for the sick under their charge.

### 13.

At the end of the cruise the senior medical officer will forward to the Bureau the Medical Journals, Quarterly List of Patients, Abstract of Patients, and all periodicals supplied to him, and a final return of property (Form D).

### 14.

When medical stores are publicly sold, the medical officer in charge of the property shall prepare an **Account of Sale** and an **Invoice**, in duplicate, of the articles sold. The original of each is to be forwarded, without delay, to the Surgeon-General, and the duplicate to be retained by the medical officer.





## ARTICLE III.

## RECRUITING.

## 1.

Medical officers will exercise great care in the performance of this important duty ; and hereafter, when **Reports of Medical Survey** or **Hospital Tickets** represent a disability to have existed prior to enlistment, the fact shall be reported to this Bureau, which will hold the medical examiner who passed the recruit accountable for the improper enlistment.

## 2.

The applicant for examination shall be required to be sober and clean, and having had the **Declaration** on Form **Q** fully explained to him, he must sign it in the presence of the medical examiner.

## 3.

The latter will then proceed to make a thorough inspection of the body of the applicant. While permitted to exercise his own discretion as to the routine of procedure, he must not omit inquiry, in any case, on all the points indicated below, and he shall, before affixing his signature to the **Certificate of Physical Examination**, or **Record of Physical Condition** of minors and re-enlisted men, make accurate entries of the facts called for, under the appropriate headings :

**General Surface.** Applicant, entirely nude, to stand erect before the examiner in a broad light, and present front, rear, and sides successively.

[NOTE.—*Retarded development, deformity or asymmetry of body or limbs ; knock-knees, bow-legs, or splay feet, especially in minors ; spinal curvatures ; feebleness of constitution ; strumous or other cachexia ; emaciation ; obesity ; cutaneous or other external disease ; glandular swellings or other tumors ; nodes ; varicosities ; cicatrices ; indications of medical treatment, leech-bites, blister-stains, seton or scarification scars ; and evidences of small-pox or successful vaccination.*]

**Extremities and Articulations.**—Applicant to present dorsal and palmar surfaces of both hands; to flex and extend every finger; to grasp with thumb and forefinger, and with whole hand; to flex and extend, pronate and supinate wrists and forearms; to perform all the motions of shoulder-joints, especially circumduction; to extend arms at right angles to body, and then bend elbow and touch the shoulders with the fingers; to elevate extended arms above the head, palm to palm, then dorsum to dorsum; (note *enlarged axillary and inguinal lymphatics*); to evert and invert feet; to stand on tip-toe, coming down upon the heels quickly, and then lifting toes from floor; to flex each thigh alternately upon the abdomen, and, while standing on one leg, to hop with each foot; to perform all the motions of the hip-joint; and to walk backward and forward slowly and at double-quick. (*Note any disability of extremities or articulations, from any cause.*)

**Thorax.**—Note effects of these violent exercises on heart and lungs—observe movements of chest during prolonged inspiration and expiration—examine by percussion and auscultation front and rear. (*Incipient pulmonary phthisis, valvular disease.*)

**Abdomen, Groins, and Genitals.**—With hands on the head and chin up, applicant to cough violently (*relaxation of umbilical and inguinal regions; hernia; concealed venereal disease, especially beneath prepuce and within orificium urethrae; varicocele; orchitis, and other abnormal conditions of testes*).

**Spine and Perineum.**—Applicant to bend body forward, with knees stiffened, feet wide apart, hands touching the floor, and nates exposed to strong light (*hemorrhoids; prolapsus; fistula*). While stooping, make firm pressure on each spinous process of the vertebrae (*spinal tenderness*).

### **Head, Face, and Neck—**

1. Motions of head, neck, and lower jaw.
2. Cranium—(*malformations; depressions; cicatrices; tinea, etc.*).
3. Ears—(*polypi; otorrhœa; perforations; dullness of hearing*).

4. **Eyes**—(*absence of cilia; tarsal redness; obstructed puncta; corneal opacities; adhesions of iris; defective vision; color-blindness; abnormal conditions of conjunctivæ; etc.*).
5. **Nose**—(*polypi; ozæna; chronic nasal catarrh*).
6. **Mouth—teeth—tongue—fauces**—(*hypertrophied tonsils; syphilitic affections; impediments of speech*).

**The Intelligence** of the applicant will be evident from the character of his replies to inquiries respecting former residence and occupation, family history, etc.

**The Age** of the applicant must be constantly kept in view by medical examiners in determining their standard of physical requirements. Whenever a doubt exists as to the physical fitness of a minor, the interests of the government require that he should be rejected.

#### 4.

The following instructions will be strictly followed in every case of entry in **Certificates of Physical Examination and Records of Physical Condition**:

**Names.**—The whole name (christian, middle, and surnames) to be legibly written out, without abbreviation, and correctly spelled, preference being given to the original spelling of foreigners' names. The surname to be distinguished by being underlined.

**Date of Birth.**—Year, month, and day to be ascertained whenever possible.

**Place of Birth.**—Specify city, town, or other locality of whatever nationality.

**Complexion, Hair, and Eyes** are not to be described as simply "light or dark," but the character and degree of color are to be as accurately stated as possible; as **Complexion**—*pallid; sallow; fair* (only when decidedly clear); *ruddy; florid; dark* (tawny, sunburnt, or tanned); *very dark* (swarthy, dusky); *mulatto; negro; etc.*

**Hair.**—*Flaxen; sandy* (yellowish-red); *auburn* (reddish-brown); *brun* (light, dark, or very dark); *black*; also whether *thin, bald, curly, straight, wool, etc.*

**Eyes.**—*Blue ; gray ; blue-gray ; yellow-gray ; hazel* (light brown) ; *brown ; dark brown ; bicolored* (as when the pupillary border is of a different color from rest of iris) ; also state when the two eyes are of different colors.

**Other Personal Characteristics.**—Any prominent physical trait not inconsistent with bodily vigor, or not in such degree as to constitute cause for rejection—*leanness, or the reverse ; hirsuteness ; slight asymmetry of body or limbs, knock-knees, bow-legs, or splay feet ; peculiarities of teeth and genitalia ; slight varicose or cirsocele ;* etc. In this connection, medical examiners are to remember that trivial imperfections that might pass in *men* should reject *boys*.

**Former Residence.**—Whether in city, town, or country ; and in healthy or unhealthy localities.

**Former Occupation.**—Whether at school or at work—arduous or light—in door or out.

**Family History.**—Any fact suggesting predisposition or tendency to or exemption from morbid action (*longevity, decease, insanity or sickness of parents or near relatives*).

**Age**—to be expressed in years and months ; and the month to be *always* the month concluded and not the month current.

**Weight**—accuracy of scales to be ascertained before using—body nude.

**Height**—to be expressed in inches, the body to be erect—the chin neither elevated nor depressed—the feet and knees touching—legs stiff, and arms hanging perpendicularly. The vertex bar must be at right angle to the upright, which must be plumb. The perineal height must be measured as close to the extremity of the spinal column as possible, the nates being separated when necessary.

**Thorax**—circumference to express the *mean* of the greatest after forced inspiration and of the least after forced expiration, measured by a tape-line horizontally at the precise level of the nipples ; the difference between the greatest and least circumferences being entered as **Expansion**.

**Spirometer** (*Hutchinson's*)—applicant to be carefully instructed, and several trials to be made before measure is recorded. (When no instrument is furnished, this column is to be left blank.)

**Vision**—to be expressed as a fraction, of which the numerator will be the distance at which Snellen's twenty-foot test can be determined, and the denominator 20.

**Color-perception**—to be always carefully determined.

**Health, Sickness, etc.**—Enter in last column, *in every case of rejection*, the disability unfitting the applicant for service, and in other cases, any abnormal condition, former grave illness, or serious injury not inconsistent with present bodily vigor. In re-examination of *minors* and *continuous-service men*, here enter statement of health since previous examination, and affix signature of the medical officer making the re-examination.

**Puberty.**—In the case of minors, the facts always to be noted, whether there are “no signs of,” “incipient,” “advanced,” “established,” etc.

No **Apothecary, Nurse**, or other person than a medical officer shall be permitted to conduct any part of a physical examination, nor to make any measurement or original entry on any paper or record of enlistment.

## 5.

**A Record of Physical Condition** of all minors in the Navy, including cadets and apprentices, shall be kept according to the form prescribed [*Descriptive List*], examinations for the purpose being made at intervals of twelve months, by a medical officer who shall affix his name to each examination. In the case of cadets, this record shall be preserved at the Naval Academy. The Physical Record of apprentices and other enlisted minors will be printed on parchment-paper similar to and of the size of Continuous-Service Certificates, and shall constitute the Descriptive List of said minors and accompany them throughout their career in the service.

A similar record of the successive examinations prior to re-enlistment of continuous-service men shall be attached to the Continuous-Service Certificate and form an indispensable part of it. In the case of adults the column “Puberty” shall be omitted, and annual examinations will not be required.

When minors remain in the Navy as continuous-service men their record prior to their maturity shall also be included with that subsequent.

## 6.

An accurate **List of Persons Examined** (Form **X**) for enlistment or appointment in the naval service, whether accepted or rejected, and embracing the several particulars constituting the Descriptive List (Form **Q**), shall be kept at all regular rendezvous, naval stations, vessels in commission, or other places where such enlistments are made, and on the 1st of January, April, July, and October the senior medical officer of regular rendezvous, training or receiving ships, shall forward to this Bureau an **Abstract of Enlistments** (Form **X**<sup>1</sup>), in alphabetical order, and a like **Abstract of Rejections** (Form **X**<sup>2</sup>), on which latter the causes of rejection shall be fully stated. From all other places and vessels these abstracts shall be forwarded annually on the 1st day of January, or on the closing of any station, or the going out of commission of any vessel.

In every case the name of the medical examiner or of the senior member of the board of examiners shall be appended to each examination.

## 7.

Whenever enlisted or appointed men are transferred to another ship or station, or are discharged from the Navy, they will be accompanied by a **Descriptive List** (in the latter case printed or written on the discharge) signed by the executive officer and senior medical officer of the ship or station from which they are transferred or discharged, and a rigid adherence to the spelling of the name and other facts in the original Descriptive List (Form **Q**) as prepared by the medical examiner, shall be exacted, unless manifest errors are discovered, when these will be reported to the Bureau of Medicine and Surgery.

Medical officers will be particular to note on this list the state of health of the individual during the time he has been attached to ship or station from which transferred or discharged.

## 8.

In cases where infirmities or defects not amounting to disqualification for special ratings are waived by the Navy Department, the medical examiner shall fully describe the same on the **Certificate of Physical Examination** and other records of enlistment, and

at once report the fact to the Bureau of Medicine and Surgery that no claim for pension may be based on them; and such infirmity or defect shall always be set forth on the **Descriptive List** of the person enlisted.

## RECEIVING-SHIPS.

**1.**

When the rendezvous is distant from the receiving-ship the medical officer of the latter will repeat the physical examination of recruits, as soon as they arrive on board, in the manner as ordered for rendezvous; if he discover any defects, he will report to the commanding officer that the recruit ought not to be received.

**2.**

Every accepted recruit shall be immediately vaccinated; and a **Report of Vaccinations** and their results shall be made according to Form **V**.

**3.**

In all matters not relating to recruits as such, medical officers will be governed by general rules.



## ARTICLE IV.

## SEA-GOING SHIPS.

## 1.

As soon as possible, after reporting for duty, the senior medical officer shall inspect the dispensary and store-rooms; scrutinize outfit; prepare medicines and instruments for use; put aside, to be returned to the Laboratory, all articles superfluous or inconvenient to secure; and, finally, report his department ready for inspection.

## 2.

Having secured everything for sea, the medical officer will open his **Medical Journal**, entering the day when officers and crew were received.

## 3.

He will examine the crew by divisions; report disqualifications for service; call for medical survey (Form **M**), if necessary; vaccinate all who may require it; and instruct those persons on board in the use of the tourniquet who may be designated for that purpose by the commanding officer.

## 4.

He will always be prepared for battle, and, after an engagement, will report casualties to the surgeon of the fleet and commanding officer, giving full name of each man killed or wounded, and prepare, for the Bureau, a statement of the various injuries incurred, the result of surgical operations, and other facts necessary to make the history of each case complete.

## 5.

All wines and spirituous liquors, mineral acids, and inflammable fluids must be locked up by themselves, to be disposed of, in case of fire, as the exigency may demand.

## ARTICLE V.

## SURGEON OF THE FLEET.

**1.**

The surgeon of the fleet will exercise supervision over medical officers serving with him; and, from time to time, inspect their journals, abstracts, instruments, dispensaries, and store-rooms.

**2.**

He will assure himself of the correctness of all medical reports and returns, and indorse, as approved, certificates of death and of disability, and reports of survey, before forwarding them to the Bureau.

**3.**

He will examine and approve all requisitions for medical and hospital stores for the fleet or squadron and inspect their quality, and he will make and transmit to the Bureau records of the character and treatment of disease in the squadron or fleet.

**4.**

He will suggest measures for preserving health in the fleet.

**5.**

On the probability of an engagement, he will assure himself that the medical department of every vessel is prepared for the treatment of wounded, and, after battle, will make to the commander-in-chief, and to the Bureau, a **summary report of casualties**.

**6.**

As early as possible after securing correct quarterly reports (Form **K**), he will condense them into an **aggregate report**, for this Bureau. This will embrace all diseases in the squadron, and give a summary of bills incurred, and an epitome of the remarks of medical officers, in cases likely to give rise to pension-claims.

## ARTICLE VI.

## HOSPITALS.

The medical officer in charge of a Naval Hospital will enforce the strictest obedience to the laws and regulations of the Navy Department, in accordance with the established usages and discipline of the service.

**1.**

The hospital, its grounds and appurtenances, and all persons and property attached or belonging to it, are under his control. He is responsible for the proper treatment of the sick, and for the good order, cleanliness, discipline, and economy of the entire establishment, which it is his duty to keep at all times and in every respect in good condition, and for this purpose he will exact from all his subordinates, patients, and employés, prompt and respectful obedience to his orders.

No punishment will be inflicted without his order.

**2.**

The medical officer second in rank will reside in the hospital and have the general charge of the medical duty under the orders of the medical officer in charge, to whom he will be responsible, and whom he will always consult in severe or obscure cases of disease or injury, and without whose approval he will perform no important surgical operation, except in those cases where delay would be injurious to the patient.

He will attend all officers who may be patients, except such as the medical officer in charge may think proper to reserve for his own especial treatment. He will assign their respective duties to the junior medical officers, with the approval of the medical officer in charge, and will see that these duties are properly performed, and will immediately report to his superior any neglect of duty or breach of discipline.

He will take care that an accurate record of every case treated in the hospital is kept in conformity to the regulations, and will be

careful that every such record is in neat and legible handwriting. When the record is closed he will sign it with his name and rank and will be responsible for its correctness.

He, or an assistant surgeon by his order, will make a careful daily inspection of the wards, dining-rooms, kitchens, laundry, and cellars, and report their condition to the medical officer in charge.

He will inspect all provisions, medicines, groceries, food, bed and table furniture, etc., that may be received for the use of the hospital, and report any deficiency in quality or quantity to the medical officer in charge.

### 3.

Junior medical officers will perform such duties as may be assigned to them by the officer in charge. Those who are intrusted with the treatment of patients will be expected to visit them at least twice a day, and to remain in attendance upon critical cases as long as may be requisite, either by night or day.

It is required that a medical officer shall be detailed, daily, for duty as "officer of the day," who shall not during his term of duty leave the hospital building unless relieved. He shall hold himself in readiness to give his services without delay when called upon; he shall inspect the food at meal-time before it is served up, and see that it is properly cooked. He shall attend to the admission and discharge of patients, and be careful that proper papers in each case are sent and received.

It is the duty of every medical officer having charge of patients to see that the medicines prescribed are properly administered; suitable diet furnished; dressings applied and changed, and that the comfort and welfare of the sick are cared for in every respect. Each medical officer having charge of a ward will be held strictly responsible for its order and neatness, and for the good conduct of every one within it.

### 4.

All other persons employed in the hospital establishment will perform such duties as may be assigned to them by the medical officer in charge.

**5.**

Convalescent patients may be required to assist in nursing, and to do other light duty about the house or grounds; but they must not be retained in the hospital for that purpose after they are fit for duty.

**6.**

Patients will be admitted on **Hospital Ticket** (Form **G**); but in emergency the Ticket may be delayed until next day.

**7.**

The medical officer in charge may also, of his own authority, or by order of the commandant, receive patients without hospital tickets; but he shall report the emergency, and the authority on which he acts, and make a hospital ticket, to be filed with the Case-paper.

**8.**

No person in hospital shall be entitled to any service except that of the regular hospital attendants.

**9.****Admission of patients.**

The following forms are to be observed:

**a.** When the hospital ticket is found correct, indorse and file it, with accompanying papers relating to the case; if defective, return it to the medical officer signing, directly, when he is at hand, or, otherwise, through the Bureau.

**b.** Enter name, etc., as follows:

1st. In the **General Alphabetical Register of Patients** (Form **E**), which is the permanent hospital record for future reference.

2d. In a **Quarterly List of Patients**, which must be closed at the end of every quarter, and reopened at the beginning of the next, with the names of patients "continued to next quarter."

3d. In the **Abstract of Patients** (Form **F**).

4th. On the morning of admission, in the **Journal of Subsistence**, as the patient's ration is to be stopped that day. In this **Journal** should be noted also the employment and discharge of attendants, and the rations charged to officers reporting or detached.

**c. Open Case-paper** (Form **H**).

**d.** Whether seaman or marine, from the receiving-ship or other vessel, send **Ration Notice**, as prescribed by the Bureau of Provisions and Clothing, to his own pay-officer; if a marine from neighboring barracks, send the ration notice to the commanding marine officer.

## 10.

### Discharge of patients.

**a.** No person in hospital will be discharged from the service without having been previously surveyed by a board of medical officers.

**b.** The discharge of a marine requires a **Certificate of Ordinary Disability** (Form **R**) to be sent, in triplicate, to the commanding marine officer, who affixes his signature to the Descriptive List, retains one copy, and returns the other *two* to the medical officer in charge, for him to forward to the commandant of the station.

**c.** The record of facts, appended to certificates of any kind, is to be copied into the hospital **Certificate-Book**.

**d.** When a patient having pension-claims receives his discharge, it shall be noted, that day, in the **General Register** (Form **E**) and **Journal of Subsistence**, and in the **Case-Book**, with the number of his Case-paper, as also in all other hospital records where his name appears; meanwhile, his **Case-paper** must be filed, with the **Hospital Ticket** attached, and a memorandum of his present condition as to pension-claims; the same for patients without claims, except the Case-Book record.

**e.** Report all discharges to the commandant of the station; and in cases of seamen or marines belonging to the receiving-ship or other vessel, to the commanding officer, with notice to the pay-officer, so that he may reissue rations. Make a similar report of marines from barracks, to their commanding officer.

**11.****Daily duties.**

**a.** Sick to be visited by medical officers at 9 a. m. and 5 p. m. in winter, and in summer at 8.30 a. m. and 6 p. m. Prescriptions to be made up and delivered to the nurses at 10.30 a. m.

**b.** Enter in the **Special Diet-Book** (Form **U**) under heading "No. of bed," the orders for special diet.

**c.** Keep up **Case-papers**, with **Clinical Record** (Form **W**) appended.

**d.** Write up **Journal of Subsistence** for previous day.

**e.** Receive gate-keeper's reports of **tickets of leave**.

**f.** When dinner is reported, inspect food on the tables.

**g.** Whenever matured, forward to the Bureau the following papers:

1. **Certificate of Death** (Form **S**) in duplicate.

2. In one envelope, accompanied by letter of transmission, **Reports of Surveys** (Form **N**) in duplicate, and **Declarations for Pension** (Form **T**) single, accompanied with a pay-officer's Certificate of Discharge.

**12.****Weekly duties.**

**a.** On Sunday morning, complete and sign **Weekly Report of Sick** (Form **I**) for commandant, and **Report of Beds** (Form **P**) for Bureau.

**b.** On Monday morning, forward them.

**13.****Quarterly duties.**

**a.** Form **K**, with its proper vouchers of expenditures.

**b.** **Separate vouchers** for repairs and improvements of buildings and grounds.

**c.** **Hospital-Ration Return** (Form **L**) to Bureau, and a similar account of marines at a post, to their commanding officer.



d. Complete entries in the book of **Receipts and Expenditures** of Medicines, Stores, etc., received during the quarter.

### 14.

#### **Semi-annual duty.**

**Requisitions**, in triplicate, on the 1st of April and October, contemplating the next ensuing six months.

### 15.

#### **Annual duty.**

**Abstract of Patients** (Form **F**) to Bureau of Medicine and Surgery.

### 16.

Medical officers of hospitals will make no changes in hospital buildings or grounds without permission from the Bureau.

### 17.

Bills for repairs or for any articles, except for daily supply of provisions, will not be contracted without previously obtaining the approval of the Bureau.

### 18.

Medical officers at stations and hospitals will carefully scrutinize the monthly pay-roll (Form **Y**) of persons employed under the Bureau before signing.

### 19.

The products of the grounds shall be expended for the benefit of the hospital at the discretion of the medical officer in charge.

**Full Diet.**

In hospitals, the following **Diet Tables** will be closely followed for patients; but the allowances to attendants' messes may be varied at the discretion of the medical officer in charge, provided the value of the ration be not exceeded:

	BREAKFAST.	DINNER.	SUPPER.
Sunday ....	Coffee (oz., 1)...pt. 1 Bread.....oz. 6 Butter.....oz. 1 Stewed mutton...oz. 4 Sugar.....oz. 1 Milk.....oz. 2	Roast beef.....oz. 12 Bread.....oz. 4 Potatoes.....oz. 10 Other vegetables.oz. 4 Pickles.....oz. 1	Tea (oz., $\frac{1}{2}$ )pt. 1 Bread.....oz. 6 Butter.....oz. 1 Sugar.....oz. 1 Milk.....oz. 2
Monday ...	Coffee (oz., 1)...pt. 1 Bread.....oz. 6 Butter.....oz. 1 Beef hash.....oz. 4 Sugar.....oz. 1 Milk.....oz. 2	Mutton.....oz. 12 Bread.....oz. 4 Potatoes.....oz. 10 Other vegetables.oz. 4 Pickles.....oz. 1	Tea (oz., $\frac{1}{2}$ )pt. 1 Bread.....oz. 6 Butter.....oz. 1 Sugar.....oz. 1 Milk.....oz. 2
Tuesday ...	Coffee (oz., 1)...pt. 1 Bread.....oz. 6 Butter.....oz. 1 Mutton hash...oz. 4 Sugar.....oz. 1 Milk.....oz. 2	Boiled beef.....oz. 12 Bread.....oz. 4 Potatoes.....oz. 10 Other vegetables.oz. 4 Pickles.....oz. 1	Tea (oz., $\frac{1}{2}$ )pt. 1 Bread.....oz. 6 Butter.....oz. 1 Sugar.....oz. 1 Milk.....oz. 2
Wednesday	Coffee (oz., 1)...pt. 1 Bread.....oz. 6 Butter.....oz. 1 Beef hash.....oz. 4 Sugar.....oz. 1 Milk.....oz. 2	Beef soup.....pt. 1 Pork.....oz. 12 Beans.....oz. 4 Bread.....oz. 4 Potatoes.....oz. 10 Pickles.....oz. 1	Tea (oz., $\frac{1}{2}$ )pt. 1 Bread.....oz. 6 Butter.....oz. 1 Sugar.....oz. 1 Milk.....oz. 2
Thursday ..	Coffee (oz., 1)...pt. 1 Bread.....oz. 6 Butter.....oz. 1 Pork and beans.pt. 6 (warmed). Sugar.....oz. 1 Milk.....oz. 2	Roast beef.....oz. 12 Bread.....oz. 4 Potatoes.....oz. 10 Other vegetables.oz. 4 Pickles.....oz. 1	Tea (oz., $\frac{1}{2}$ )pt. 1 Bread.....oz. 6 Butter.....oz. 1 Sugar.....oz. 1 Milk.....oz. 2
Friday ....	Coffee (oz., 1)...pt. 1 Bread.....oz. 6 Butter.....oz. 1 Fish, chowder...oz. 4 Sugar.....oz. 1 Milk.....oz. 2	Fish.....oz. 12 Bread.....oz. 4 Potatoes.....oz. 10 Other vegetables.oz. 4 Pickles.....oz. 1	Tea (oz., $\frac{1}{2}$ )pt. 1 Bread.....oz. 6 Butter.....oz. 1 Sugar.....oz. 1 Milk.....oz. 2
Saturday ..	Coffee (oz., 1)...pt. 1 Bread.....oz. 6 Butter.....oz. 1 Beef hash.....oz. 4 Sugar.....oz. 1 Milk.....oz. 2	Bean soup.....pt. 1 Stewed mutton...oz. 12 Bread.....oz. 4 Potatoes.....oz. 10 Other vegetables.oz. 4 Pickles.....oz. 1	Tea (oz., $\frac{1}{2}$ )pt. 1 Bread.....oz. 6 Butter.....oz. 1 Sugar.....oz. 1 Milk.....oz. 2

## Special Diet for Naval Hospitals.

Articles.	Quantities.	NUMBERS OF THE BEDS.										Total.
		1	2	3	4	5	6	7	8	9	10	
BREAKFAST.	Bread.....	oz. 6										
	Butter.....	oz. 1										
	Coffee.....	pt. 1										
	Tea.....	pt. 1										
	Toast, dry.....	oz. 4										
	Toast, milk.....	oz. 6										
	Eggs, boiled....	no. 1										
	Eggs, poached..	no. 1										
	Milk.....	oz. 12										
	Beefsteak.....	oz. 6										
DINNER.	Ham.....	oz. 4										
	Bread.....	oz. 4										
	Chicken, stewed	oz. 6										
	Chicken broth..	pt. 1										
	Mutton chop....	oz. 6										
	Mutton broth...	pt. 1										
	Milk.....	oz. 12										
	Oysters, stewed.	gill 1										
	Beef tea.....	pt. 1										
	Rice, boiled....	oz. 1										
SUPPER.	Farina pudding.	oz. 4										
	Corn-starch....	oz. 4										
	Beefsteak.....	oz. 6										
	Mashed potatoes	oz. 6										
	Tea.....	pt. 1										
	Butter.....	oz. 1										
	Bread.....	oz. 4										
	Toast, dry.....	oz. 4										
	Milk.....	oz. 12										
	Eggs.....	no. 1										

Malt and spirituous liquors, lemonade, and all beverages whatever, must be issued in prescribed quantities from the dispensary; in like manner, all special diet is to be considered in the light of medicine; and any article prescribed on one of the blank lines must be only a substitute for some regular article in the printed columns; finally, prescriptions shall be limited to five articles for breakfast or dinner, and four for supper.

## ARTICLE VII.

## SURVEYS.

## 1.

Surveys on medical property will be conducted as prescribed by Regulations 1876, chap. xiv, page 116.

## 2.

Reports of survey on persons must be made in duplicate; of other surveys in triplicate.

## 3.

**Personal Surveys:** Next to the preservation of life and limb, these are the most important duties assigned to medical officers. Upon them the Commissioner of Pensions is obliged to found his decisions; and he is strictly governed by the **FACTS** they exhibit. Sound opinions in doubtful cases, receive due consideration; but none, however authoritative, can be taken against or without **FACTS**, whether the finding be positive or negative. *Positively*, the board finds "Origin in line of duty" (by gunshot wound, or by exposure to endemic, epidemic, or climatic causes, etc., etc.). *Negatively*, "No evidence of origin in line of duty" (because the person surveyed is proved not to have been exposed in duty; that he was not engaged in the kind of duty likely to result in that injury; or that the Board discredits his own statement, and has no other evidence, etc., etc.). These are the main principles upon which reports of personal surveys are founded.

## 4.

The points required by Form **N** are the following:

**a. Present condition:** This should be expressed by set phrases. "Unfit for duty" (this unfitness may be *temporary*, and may sometimes be of definite duration). "Unfit for service" (this means *permanent* unfitness for the naval service). If no unfitness be found, the report need not be continued beyond a phrase to that

effect, unless the Board have remarks to make under the head of "Recommendation."

**b. Disease :** Give name in common use, instead of technical terms; and state whether acute or chronic, or what organ is affected.

**c. Duration :** In regard to pension-claims, it is necessary for the Board to approximate as nearly as it can to a definite period.

**d. Recommendation :** Officers may be sent to hospital, or *detached* or *detailed* (Circular, June 25, 1862), or recommended for pension.

Pension is recommended to be in whole or in part, .. *g*, *half-pension*, as for disability from obtaining subsistence by labor to the extent of one-half. Enlisted men disabled in line of duty, or readily curable, should be sent to hospital for treatment; otherwise, for discharge.

**e. Origin :** Whether decided to be *in line of duty*, or *not in line of duty*, state facts, with time and place of occurrence, or dates between which there was continuous exposure to any morbid cause; and, to this end, quote Hospital Ticket, Medical Journal, Register of Patients, Abstract of Patients, or any other original record. If the testimony of the person surveyed is the only evidence to be had, adopt or reject it in terms.

## 5.

In case of surveys, and in all other matters connected with evidence of pension-claims, medical officers are forbidden to give information to agents or other individuals: all such persons must be referred to the Commissioner of Pensions.

## ARTICLE VIII.

## APOTHECARIES, ETC.

## 1.

Apothecaries, nurses, bay-men, and all other persons employed in the Medical Department of the Navy are prohibited from accepting donations or bequests from patients or contractors, or from the friends of either, and from acting as administrator or executor, or receiving on deposit any article of value from any patient.

## 2.

These petty officers will be selected by the senior medical officer, with the approval of the commander of the vessel or station, and enlisted, as provided for by Regulation.

W. GRIER,

*Surgeon-General, United States Navy.*

Approved:

R. W. THOMPSON,

*Secretary of the Navy.*

## Form A.—Medical outfit.

[Duplicat'es.

Medical outfit of U. S. S. \_\_\_\_\_,  
at \_\_\_\_\_, 18—.

[Signature of Medical Officer.]

**Received** from ———— all the articles to which quantities are affixed; the whole being of good quality and properly packed, unless otherwise noted with red ink, in the margins, and their total money-value, \$——.

[Signature of Medical Officer.]

U. S. S. \_\_\_\_\_,  
At \_\_\_\_\_, 18—.





### Form B.—Requisition.

[ Triplicates. ]

U. S. \_\_\_\_\_, 18—.

SIR: The following articles are required in the Medical Department of this \_\_\_\_\_.

Respectfully,

Signature of Medical Officer, 1

To \_\_\_\_\_,

Articles.	On hand.	Quantity re- quired.	Appropri- ation.	Articles.	On hand.	Quantity re- quired.	Appropri- ation.
<p>[The last column is to be filled only by the Surgeon-General, who will indicate the appropriation under which the article is to be purchased when it cannot be supplied from Laboratory stores.]</p>				<p>Approved :</p>			

[When the above are furnished from the Laboratory or other medical depot, sign following receipt: all other articles will be marked in red ink, "P," for purchase, for which bills (Form C) will be rendered.]

U. S. \_\_\_\_\_, 18—.

**Received** from ——— the above articles, excepting those marked **P**, of good quality.

[Signature of Medical Officer.]



## Form C.—Bill.

[Quadruplicates.]

---

18—

U. S. NAVY DEPARTMENT, BUREAU OF MEDICINE AND SURGERY.

Per [ Hospital, Navy-Yard, or Ship. ]

To \_\_\_\_\_, Dr.

Date.	Articles.	Amount of items.		Aggregate amount.	
		Dolls.	Cts.	Dolls.	Cts.
	<b>Appropriation :</b>				

The above account is correct.

[Signature of Medical Officer.]

Approved \_\_\_\_\_, 18—, for \_\_\_\_\_ dollars \_\_\_\_\_ cents, and ordered  
to be paid by \_\_\_\_\_.

[Signature of Commanding Officer or Surgeon-General.]

Received, ———, 18—, of ——— ———, [Pay-Officer U. S. Navy.] the sum of ——— dollars and ——— cents, in full of the above bill.

\_\_\_\_\_



### Form D.—Return of Property

In the Medical Department of U. S. ———, for the ———,  
commencing ———, 18—, and ending ———, 18—, and trans-  
ferred to ———.

[Signature of Medical Officer.]

U. S. \_\_\_\_\_,  
\_\_\_\_\_, 18—.

**Received** the articles named in the following inventory, all in good condition for future use, except those noted in red ink.

[Signature of Medical Officer.]





### Form E.—General Register of Patients.

[illegible]





**Form F.—Model for**

Name.	Rate.	Age.	Place of birth.	Date of admission.	Where from.
				1873.	
Adams, James Edward.	O. S.....	21	Easton, Pa.....	Jan. 1	
Ackley, William Henry	Sea .....	45	Bath, Me.....	Jan. 5	
Arnold, Thomas .....	1 C. F...	39	Boston, Mass...	Jan. 6	
Atwater, Fritz.....	1 C. boy.	16	Berlin, Prussia....	Jan. 12	
Adamson, Henry .....	Lands...	21	Philadelphia, Pa ..	Jan. 13	
Atkinson, Samuel Price	Cap. hld.	42	Roxbury, Mass ...	Jan. 13	
.....					
Alley, Thomas White..	Sea .....	41	Baltimore, Md ....	Jan. 15	
Agnew, Henry Fay ...	Pr. mar.	28	Raleigh, N. C.....	Jan. 30	
Atmore, William .....	B. mate.	45	New York City...	Feb. 3	
Allen, Michael Francis.	Cox.....	27	Cork, Ireland .....	Mar. 10	
Armand, Michel Fran- cois.	Qr. gr...	40	Havre, France....	Apr. 9	
Andrews, Joseph Henry	Sh. stwd.	35	Washington, D. C.	June 6	
.....					

# Abstract of Patients.

Disease or injury.	Date of discharge.	How discharged.	Origin.	Remarks.
	1873.			
Asphyxia (immers) ..	Jan. 1	Died .....	Duty....	Drowned coming alongside ship.
Syphilis prim .....	Feb. 8	Fr. serv....	Not duty	Surveyed.
Ambustio (pedis)....	Jan. 7	N. Y. Hos.	Duty....	Slipped wh. hauling fires.
Pernio .....	Jan. 25	.....	Duty....	Fr. expos. to sev. cold on watch.
Epilepsia .....	Jan. 15	.....	Not duty	Dis. existed wh. shipped.
Hernia (ing.obl.dex.)	Feb. 23	"Supply." (Pass.home.)	Duty....	Fr. lift'g bbl. in hold.
.....	.....	.....	.....	Surgeon U. S. N.
Vuln. contus. (cap.).	Jan. 31	.....	Not duty	Rec'd on shore dur. debauch.
Febris typh. icter...	Feb. 2	Died .....	Duty....	Disease endemic on board.
Fractura (tib. sinis).	Mar. 12	.....	Duty....	Jam'd bet. gun and sh. side wh. ex'g.
Luxatio (humeri)....	Mar. 30	.....	Not duty	Rec'd wh. skylark'g.
Cholera communis..	Apr. 15	.....	Not duty	Fr. imprud. in diet.
Febris int. (tert.)....	June 17	.....	Duty....	Fr. climat. influ'nces.
.....	.....	.....	.....	Surgeon U. S. N.



**Form G.—Hospital Ticket.**

U. S. ———, ———, 18—.

To the Medical Officer in charge of the Naval Hospital at ———:

SIR :

The following patient, with his effects, is hereby transferred to your charge :

Name (in full) and grade: ——— ———.

Native of ———; age, — years.

Shipped at ———, ———, 18—.

Disease (from nomenclature): ———.

Time and place of occurrence, or dates between which there was continuous exposure to morbid cause: ——— ———, 18—.

Origin: There is (positive, satisfactory, good, no) evidence that it was in line of duty, the facts being as follows, viz:

[“Positive”: That he was wounded in battle with ———.

“Satisfactory”: That he was ruptured, hurt, by ———.

“Good”: That he was exposed between dates above given, to epidemic, endemic, climatic influences.

“No”: That he was amusing himself; that there was no act of duty involved by which his disease, or injury, was likely to be caused.]

.....  
.....  
.....  
.....  
.....  
.....  
.....

Respectfully,

[Signature of Medical Officer.]

Approved :

——— ———, *Commanding.*

Approved :

——— ———, *Commandant.*



# **Form Q.—Descriptive List.**

U. S. ———, ———, 18—.

Name: ———. Rate: ———.

Born ———, 18—, at ———.

Complexion: ———. Hair: ———. Eyes: ———.

Other personal characteristics: (*permanent marks, scars, etc.*)

Former residence: ———.

Former occupation: ———.

Family history:

When and where last examined: ——— ———.

Age.		Weight.	HEIGHT.		THORAX.			Vision (Snellen).	State of health prior to examination. (In cases of repetition, here state causes of recurrence.)
			Vertex to ground.	Vertex to perineum.	Mean circumference.	Expansion.	Spirometer.		
<i>Yrs.</i>	<i>Mos.</i>	<i>Lbs.</i>	<i>In.</i>	<i>In.</i>	<i>In.</i>	<i>In.</i>	<i>Cub. in.</i>		

—————, U. S. N.,

*Medical Examiner.*

To the Commanding Officer of ———.

## **List of clothing, etc.**

	Hammock.	Blankets.	Sheets.	Mattress.	Bags.	Chests.	Coats.	Jackets.	Waistcoats.	Trousers.	Drawers.	Frocks.	Shirts.	Shirts, flannel.	Stockings.	Boots and shoes.	Handkerchiefs.	Hats.	Caps.	Stocks.	Gaiters.	Cash.	Watch.	Books.	Knapsacks.	Muskets.
No .....																										

The above articles have been returned to me.

Witness:

—————.

**Form II.—Case-paper.**

NAVAL HOSPITAL, ———, 18—.

**Case-paper No. ———.**

Name: ———.

Grade: ———.

Native of ———; age, —.

Shipped at ———, 18—.

Admitted from U. S. ——— at — M., 18—.

Discharged ———, 18—.

Diagnosis by hospital ticket, signed—

[ Name and rank of Medical Officer. ]



**Form 1.—Weekly Report of Sick.**

Report of Sick in the U. S. Naval Hospital ———,  
for the week ending ———, 18—.

[Signature of Medical Officer.]

Remaining at last report . . . . .  
Admitted during the past week .  
Discharged . . . . .

Deserted.....	
Died.....	
Total.....	

No.	Names.	Grade.	Where from	Disease.	Where sent.	Remarks.



# **Form J.—Morning Report of Sick.**

U. S. S. ———, (—— Rate),  
LAT. ———, LONG. ———,  
January 20, 1873.

———, *Commanding:*

Name.	Grade.	Disease.	Remarks.
Henry Ashton .....	Ordinary seaman..	Pleurisy .....	Better.
John Brown .....	First-class boy....	[Give name in common use.]	Discharged.
Henry Davis .....	Landsman .....	.....	Admitted.
William Cullen.....	Coal-heaver.....	.....	Admitted.
Philip Bunce.....	Fireman .....	.....	Admitted.

Admitted....3

Discharged..1

Total .....4

Respectfully,

[Signature of Medical Officer.]

## **Binnacle-List.**

{In manuscript.}

Henry Ashton, ordinary seaman.

Henry Davis, landsman.

William Cullen, coal-heaver.

Philip Bunce, fireman.

(Other names may be added in the course of the day.)

[Signature of Medical Officer.]









	AGES.									
	GRADES.									
	15 to 20	20 to 25	25 to 30	30 to 35	35 to 40	40 to 45	45 to 50	50 to 55	55 to 60	60 to 65
Officers.....	<i>Number admitted.</i>	<i>Number admitted.</i>	<i>Number admitted.</i>	<i>Number admitted.</i>	<i>Number admitted.</i>	<i>Number admitted.</i>	<i>Number admitted.</i>	<i>Number admitted.</i>	<i>Number admitted.</i>	<i>Number admitted.</i>
Seamen .....										
Ordinary Seamen ....										
Landsmen.....										
Boys .....										
Marines .....										
Firemen .....										
Coal Heavers .....										
Total.....										

Additional to Form K. To be filled up and forwarded with said form at the end of each quarter.

J. WINTHROP TAYLOR,  
*Surgeon General, U. S. Navy.*





**Summary of bills incurred during quarter.**      **Dolls.**      **Cts.**

Medicines .....  
 Instruments .....  
 Provisions .....  
 Groceries .....  
 Washing .....  
 Repairs .....  
 Incidental.      [Under this head, it is desirable to put as many small bills  
 as possible.]

Total.....

No. of rations stopped [at hospital only].....

**Died.**

Date.	Name.	Grade.	Disease, &c.

**Transferred, injured, or disabled.**

Name.	Grade.	Disease or injury.	Where to.

**Operations.**

Name.	Grade.	Details of case and method.

Ports visited.	Days in port.	Days at sea.

[Signature of Medical Officer.]

# **Form L.—Hospital-Ration Return.**

Patients subsisted in the U. S. Naval Hospital at \_\_\_\_\_,  
during the quarter ending \_\_\_\_\_, 18—.

Names.	Grade.	Age.	Birth-place.	Date of admission.	Where from.	Date of discharge.	Where to.	Number of days subsisted.
[ In alphabetical order. ]								
							Total..	









## Form N.—Report of Medical Survey.

[In duplicate.]

U. S. \_\_\_\_\_.

To \_\_\_\_\_,

SIR: In obedience to your order of \_\_\_\_\_, we have held a careful survey on, [give name and grade in full.] attached to the U. S. \_\_\_\_\_, native of \_\_\_\_\_, aged \_\_\_\_\_, enlisted at \_\_\_\_\_, on the \_\_\_\_\_, and beg leave to report as follows:

### 1. Present condition:

("Unfit for duty" means present unfitness; "Unfit for service," permanent unfitness. There may be Hypochondriasis or Malingering to be noted under this head.)

### 2. Disease:

(By name in common use, if any; also location and character.)

### 3. Probable future duration:

(Approximate, if possible.)

### 4. Recommendation:

(Officers may be "detached" or only "detailed" for sick-leave. See Circular June 25, 1862. This distinction is important to personal interests. Half-pensions, as being one-half disabled from obtaining subsistence by bodily labor.)

### 5. Origin:

(State all facts, negative or positive, whether found to be in line of duty, or found not to be in line of duty. When the patient's own statement is all that can be got, accept or reject it in terms. When "present condition" indicates no disease, the report need not proceed further.)

.....  
.....  
.....

Respectfully,

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

NOTES.—1. The Report will not embrace more than one case.

2. Insert first name in full.

3. Location and character of injury to be stated.

4. State all the facts.







**Form P.—Report of Beds.**

No. —,

NAVAL HOSPITAL, —,  
—, 18—.

SIR:

I have to present the following report for the past week :

Patients in Hospital,      No.

Vacant Beds in Hospital, No.

Deaths in Hospital,      No.

.....  
.....  
.....

Respectfully,

[Signature of Medical Officer.]

—, —,

*Surgeon-General U. S. Navy.*



**Form [Q].—Certificate of physical examination and  
Descriptive List.**

(12) Bur. E. & R.

[Whenever men are transferred to other ships or stations, or are discharged from the service, they will be accompanied by a Descriptive List (in the latter case on the discharge), signed by the executive officer and senior medical officer of the ship or station from which transferred or discharged; and a rigid adherence to the spelling of the name and other facts in this original Descriptive List (infra) as prepared by the medical examine, signing the same, will be exacted, except in case of manifest errors are discovered, when these will be reported to the Bureau of Medicine and Surgery.]

U. S. ———, ———, 18—.

**APPLICANT'S DECLARATION.**

I, ———, on presenting myself to be entered as ———, in the Navy of the United States, do hereby declare—

- 1st. That I am not subject to fits;
- 2d. That I have no stricture, internal piles, or other disease that I know of, or that is likely to be inherited;
- 3d. That I am not suffering from the consequences of any former disease or hurt;
- 4th. That I know of no reason why I should not be passed; and, finally, that I do not by this act acquire or confirm any claims to pension.

[Signature of applicant in full.]

**MEDICAL EXAMINER'S CERTIFICATE.**

I certify that the above was signed by the applicant, in my presence, after it had been fully explained to him; that I have since carefully examined him; that I find him physically [dis]qualified for active service in the Navy ashore and afloat; and that the following is a correct **Descriptive List** of his physical condition, according to my best knowledge and belief, viz:

Name: ———. Rate: ———.

Born ———, 18—, at ———.

Complexion: ———. Hair: ———. Eyes: ———.

Other personal characteristics: (*permanent marks, scars, etc.*)

Former residence: ———.

Former occupation: ———.

Family history: ———.

When and where last examined: ———.



Age.		Weight.	HEIGHT.		THORAX.			Vision (Snellen).	State of health prior to examination. (In cases of rejection, here state causes of rejection.)
Yrs.	Mos.		Vertex to ground.	Vertex to perineum.	Mean circumference.	Expansion.	Spirometer.		
		Lbs.	In.	In.	In.	In.	Cub. in.		

\_\_\_\_\_, U. S. N.,  
*Medical Examiner.*

To the Commanding Officer of \_\_\_\_\_.

**Form R.—Certificate of ordinary disability.**

I hereby certify that \_\_\_\_\_, a \_\_\_\_\_ in the United States Navy, \_\_\_\_\_ attached to the (a) \_\_\_\_\_, \_\_\_\_\_, and holding the rank above mentioned, \_\_\_\_\_ rendered unfit for the performance of his duty, by reason of (b) \_\_\_\_\_, as set forth in the record in his case, of which the following is a copy :

(c) \_\_\_\_\_

and, therefore, in the opinion of the undersigned, the interests of the service require that he should be discharged.

[Signature of Medical Officer.]

The above-named \_\_\_\_\_ was born at \_\_\_\_\_, in the State of \_\_\_\_\_; is \_\_\_\_\_ years of age; \_\_\_\_\_ feet \_\_\_\_\_ inches high; \_\_\_\_\_ complexion; \_\_\_\_\_ eyes; \_\_\_\_\_ hair. He entered the United States naval service at \_\_\_\_\_ on the \_\_\_\_\_ day of \_\_\_\_\_, 18—, and discharged (d) \_\_\_\_\_

[Signature of Commanding Officer.]

Discharged from the United States naval service on the \_\_\_\_\_ day of \_\_\_\_\_, 18—.

[Signature of Fourth Auditor.]

(a) If at a navy-yard, ship, or hospital, insert name and place.

(b) Wound, casualty, or disease.

(c) The record of the case need not include details of medical treatment; it is necessary to state only the circumstances under which the disease or injury occurred, as far as a claim for pension is involved.

(d) Insert whether final, or to hospital, or to ship for passage home; in which last case, the final discharge must be furnished by the Auditor.



**Form S.—Certificate of death.**

I hereby certify that ———, who was a ——— in the United States Navy, while attached to the (a) ———, ———, and holding the rank above mentioned, departed this life (b) ———, on the ——— day of ———, in the year 18—, and that he died of (c) ———, as set forth in the record of his case, as follows:~

\_\_\_\_\_

\_\_\_\_\_

[Signature of Medical Officer.]

The above-named ———, deceased, was born at ———, in the State of ———; about ——— years of age; ——— feet ——— inches high; ——— complexion; ——— eyes; ——— hair; and entered the United States naval service at ———, on the ——— day of ———, in the year 18—.

[Signature of Commanding Officer.]

\* Details of medical treatment not required.

\_\_\_\_\_

- (a) If at a navy-yard, ship, or hospital, insert name and place.  
(b) The same.  
(c) Wound, casualty, or disease, as the case may be.



**Form T.—Declaration for Navy Invalid-Pension.**

STATE OF ———, *County of* ———, *ss:*

On this ——— day of ———, A. D. one thousand eight hundred and ———, personally appeared before me, ——— ———, a ——— of the ———, a court of record in and for the county and State aforesaid, ——— ———, who, being duly sworn according to law, declares: That he is aged — years; that he is the identical ——— ——— who enlisted under the name of ———, in the naval service of the United States at ———, on the ——— day of ———, in the year ———, [Here state the vessel and rank in the Navy, and whether in any other service;

and, if so, what, and under what name.] in the war of ———, and was honorably discharged on the ——— day of ———, in the year ———; that his personal description is as follows: Age ———, height ———, complexion ———, hair ———, eyes ———; that while in the service aforesaid, and in the line of his duty, he received the following wounds (or disability, as the case may be), and that he was treated therefor in the following named (or numbered) general hospitals:

[Here give a particular and minute account of the wound or other injury, and state how, when, and where it occurred, and his present physical condition; where the applicant has resided since leaving the service, and what has been his occupation.]

That he hereby appoints ——— ——— his attorney to prosecute his claim; that he has never received or applied for pension; that his residence is at No. —, in ——— street, in the ——— of ———, county of ———, and State of ———; and his post-office address is ——— ———.

[Claimant's signature.]

Also personally appeared ——— ———, residing at No. —, in ——— street, in ———, ——— ———, residing at No. —, in ——— street, in ———, persons whom I certify to be respectable and entitled to credit, and who, being by me duly sworn, say: They were present and saw ———, the claimant, sign his name (or make his mark) to the foregoing declaration; that they have every reason to believe, from the appearance of said claimant and their acquaintance with him, that he is the identical person he represents himself to be; and that they have no interest in the prosecution of this claim.

[Signatures of witnesses.]

Sworn to and subscribed before me, this — day of —, A. D. —, and I hereby certify that the contents of the above declaration, etc., were fully made known and explained to the applicant and witnesses before swearing, including the words — erased, and the words — added ; and that I have no interest, direct or indirect, in the prosecution of this claim.

[Official signature.]

[The person administering the jurat should sign in his own name.]

# Form U.—Special Diet Book.

[For Hospitals only.]

	Articles.	Quantities.	NUMBERS OF THE BEDS.												Total.
BREAKFAST.	Bread.....	oz. 6													
	Butter.....	oz. 1													
	Coffee.....	pt. 1													
	Tea.....	pt. 1													
	Toast, dry.....	oz. 4													
	Toast, milk.....	oz. 6													
	Eggs, boiled.....	no. 1													
	Eggs, poached.....	no. 1													
	Milk.....	oz. 12													
	Beefsteak.....	oz. 6													
DINNER.	Ham.....	oz. 4													
	.....														
	.....														
	Bread.....	oz. 4													
	Chicken, stewed.....	oz. 6													
	Chicken broth.....	pt. 1													
	Mutton-chop.....	oz. 6													
	Mutton broth.....	pt. 1													
	Milk.....	oz. 12													
	Oysters, stewed.....	gill 1													
SUPPER.	Beef tea.....	pt. 1													
	Rice, boiled.....	oz. 1													
	Farina pudding.....	oz. 4													
	Corn-starch.....	oz. 4													
	Beefsteak.....	oz. 6													
	Mashed potatoes.....	oz. 6													
	.....														
	.....														
	Tea.....	pt. 1													
	Butter.....	oz. 1													
.....	Bread.....	oz. 4													
	Toast, dry.....	oz. 4													
	Milk.....	oz. 12													
	Eggs.....	no. 1													
	.....														

[Signature of Medical Officer.]





**Form V.—Report of Vaccination.**

On board the U. S. S. ———, for the quarter ending ———, 18—.

Total number vaccinated, ———.

Presenting evidences of former attack of small-pox, ———.

Successful, ———.

Unsuccessful, ———.

Presenting good cicatrices, ———.

Successful, ———.

Unsuccessful, ———.

No evidence of previous vaccination, ———.

Successful, ———.

Unsuccessful, ———.

Vaccine virus may always be obtained by special requisition on the Naval Laboratory; and this source of supply is to be preferred; but, in case of emergency, it may be obtained elsewhere.





## Color

Day of month.		Day of Disease.		Temperature.		Pulse per minute.		Respirations per minute.		Urine.		Feces.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
109°													
108°													
107°													
106°													
105°													
104°													
103°													
102°													
101°													
100°													
99°													
98°													
97°													
96°													
95°													
94°													
93°													
92°													
91°													
90°													
Pulse per minute.		Respirations per minute.		Urine.		Feces.							
Color.		Specific Gravity.		Amount.		Character.							
Sugar.		Albumen.		Mucous.		Solids.							
Water.		Acid.		Alkaline.		Other.							

# SE, RESPIRATION AND EXCRETA.

Nativity

Disease

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	810	811	812	813	814	815	816	817	818	819	820	821	822	823	824	825	826	827	828	829	830	831	832	833	834	835	836	837	838	839	840	841	842	843	844	845	846	847	848	849	850	851	852	853	854	855	856	857	858	859	860	861	862	863	864	865	866	867	868	869	870	871	872	873	874	875	876	877	878	879	880	881	882	883	884	885	886	887	888	889	890	891	892	893	894	895	896	897	898	899	900	901	902	903	904	905	906	907	908	909	910	911	912	913	914	915	916	917	918	919	920	921	922	923	924	925	926	927	928	929	930	931	932	933	934	935	936	937	938	939	940	941	942	943	944	945	946	947	948	949	950	951	952	953	954	955	956	957	958	959	960	961	962	963	964	965	966	967	968	969	970	971	972	973	974	975	976	977	978	979	980	981	982	983	984	985	986	987	988	989	990	991	992	993	994	995	996	997	998	999	1000	1001	1002	1003	1004	1005	1006	1007	1008	1009	1010	1011	1012	1013	1014	1015	1016	1017	1018	1019	1020	1021	1022	1023	1024	1025	1026	1027	1028	1029	1030	1031	1032	1033	1034	1035	1036	1037	1038	1039	1040	1041	1042	1043	1044	1045	1046	1047	1048	1049	1050	1051	1052	1053	1054	1055	1056	1057	1058	1059	1060	1061	1062	1063	1064	1065	1066	1067	1068	1069	1070	1071	1072	1073	1074	1075	1076	1077	1078	1079	1080	1081	1082	1083	1084	1085	1086	1087	1088	1089	1090	1091	1092	1093	1094	1095	1096	1097	1098	1099	1100	1101	1102	1103	1104	1105	1106	1107	1108	1109	1110	1111	1112	1113	1114	1115	1116	1117	1118	1119	1120	1121	1122	1123	1124	1125	1126	1127	1128	1129	1130	1131	1132	1133	1134	1135	1136	1137	1138	1139	1140	1141	1142	1143	1144	1145	1146	1147	1148	1149	1150	1151	1152	1153	1154	1155	1156	1157	1158	1159	1160	1161	1162	1163	1164	1165	1166	1167	1168	1169	1170	1171	1172	1173	1174	1175	1176	1177	1178	1179	1180	1181	1182	1183	1184	1185	1186	1187	1188	1189	1190	1191	1192	1193	1194	1195	1196	1197	1198	1199	1200	1201	1202	1203	1204	1205	1206	1207	1208	1209	1210	1211	1212	1213	1214	1215	1216	1217	1218	1219	1220	1221	1222	1223	1224	1225	1226	1227	1228	1229	1230	1231	1232	1233	1234	1235	1236	1237	1238	1239	1240	1241	1242	1243	1244	1245	1246	1247	1248	1249	1250	1251	1252	1253	1254	1255	1256	1257	1258	1259	1260	1261	1262	1263	1264	1265	1266	1267	1268	1269	1270	1271	1272	1273	1274	1275	1276	1277	1278	1279	1280	1281	1282	1283	1284	1285	1286	1287	1288	1289	1290	1291	1292	1293	1294	1295	1296	1297	1298	1299	1300	1301	1302	1303	1304	1305	1306	1307	1308	1309	1310	1311	1312	1313	1314	1315	1316	1317	1318	1319	1320	1321	1322	1323	1324	1325	1326	1327	1328	1329	1330	1331	1332	1333	1334	1335	1336	1337	1338	1339	1340	1341	1342	1343	1344	1345	1346	1347	1348	1349	1350	1351	1352	1353	1354	1355	1356	1357	1358	1359	1360	1361	1362	1363	1364	1365	1366	1367	1368	1369	1370	1371	1372	1373	1374	1375	1376	1377	1378	1379	1380	1381	1382	1383	1384	1385	1386	1387	1388	1389	1390	1391	1392	1393	1394	1395	1396	1397	1398	1399	1400	1401	1402	1403	1404	1405	1406	1407	1408	1409	1410	1411	1412	1413	1414	1415	1416	1417	1418	1419	1420	1421	1422	1423	1424	1425	1426	1427	1428	1429	1430	1431	1432	1433	1434	1435	1436	1437	1438	1439	1440	1441	1442	1443	1444	1445	1446	1447	1448	1449	1450	1451	1452	1453	1454	1455	1456	1457	1458	1459	1460	1461	1462	1463	1464	1465	1466	1467	1468	1469	1470	1471	1472	1473	1474	1475	1476	1477	1478	1479	1480	1481	1482	1483
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------



# Form X'.

Abstract of candidates examined for the naval service and accepted, at —, during the — ending —, 18—.

Date of examination.	Name.	Rate.	Date of birth.	Place of birth.	Residence.	Complexion.	Hair.	Eyes.	Vision.	Years.	Months.	Weight.	HEIGHT.	CHEST.			When and where last examined.	Personal peculiarities, former illness, &c.	Medical examiner.
														Vertex to ground.	Vertex to per- neum.	Mean circumfer- ence.	Expansion.	Spirometer.	





# Form X<sup>2</sup>.

Abstract of candidates examined for the naval service and rejected, at —, during the — ending —, 18—.

Date of examination.	Name.		Rate.		Date of birth.	Place of birth.	Residence.	Complexion.	Hair.	Eyes.	Vision.	Years.	Months.	Weight.	Vertex to ground.	Vertex to perineum.	Chest-circumference.	Expansion.	Spirometer.	When and where last examined.	Causes of rejection.	Medical examiner.
----------------------	-------	--	-------	--	----------------	-----------------	------------	-------------	-------	-------	---------	--------	---------	---------	-------------------	---------------------	----------------------	------------	-------------	-------------------------------	----------------------	-------------------

Of persons employed at the U. S. Naval Station at ———, under

[illegible]







Place.	SPAR DECK.																
	10 A. M.					4 P. M.					10 P. M.						
	Date.	Barometer.	Attached thermo- meter.	Dry bulb.	Wet bulb.	Relative humidity.	Barometer.	Attached thermo- meter.	Dry bulb.	Wet bulb.	Relative humidity.	Barometer.	Attached thermo- meter.	Dry bulb.	Wet bulb.	Relative humidity.	
1																	
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
12																	
13																	
14																	
15																	
16																	
17																	
18																	
19																	
20																	
21																	
22																	
23																	
24																	
25																	
26																	
27																	
28																	
29																	
30																	
31																	
Average. ....																	

Observations for carbonic acid should be made at least once a week, and the results will not be entered unless the observer is certain of their accuracy.

The time and circumstances of observations for carbonic acid and the same instruments to be used in all hygrometric observations.





For ascertaining the amount of carbonic acid in the air the following apparatus is supplied :

Two glass jars, cubic capacity marked in cubic centimeters.

India-rubber stoppers, and sheet India rubber to tie over neck of jars.

Glass measure graduated to 60 c. c.

One Mohr's burette, 60 c. c., graduated into tenths.

Glass rods.

Glass bottle of one litre capacity.

Bottle containing papers of crystallized oxalic acid of 2.25 grammes each.

Bottle containing litmus or turmeric paper.

A small bellows, or, in its absence, a Davidson's syringe may be used.

Lime-water and distilled water.

Directions : Pettenkofer's method is to be followed. For those not familiar with it the following process, extracted from Wilson's *Hand-Book of Hygiene*, is recommended :

The analysis depends on the relative alkalinity of lime-water before and after it has absorbed the carbonic acid in the sample of air examined. 2.25 grammes of crystallized oxalic acid are dissolved in 1 litre of distilled water ; 1 c. c. of this solution exactly neutralizes 1 milligramme of lime, and hence the amount of lime in a given quantity of lime-water can be determined by adding the solution of oxalic acid until the point of neutralization is reached. The amount of oxalic acid required for neutralization expresses the alkalinity of the lime-water. If the alkalinity of the lime-water be known before and after it has absorbed the carbonic acid in the air contained in the glass jar, the difference will give the amount of lime in milligrammes which has united with the carbonic acid, and the amount of the latter is obtained by calculating according to the atomic weights.

The jar should be perfectly clean and dry. The air to be examined is forced into the jar by a pair of bellows, or a bellows-pump may be used. In either case the nozzle should reach the bottom of the jar.

After the jar has been filled, 60 c. c. of lime water are introduced, the mouth of the jar closed by the stopper, and the stopper secured by a tightly-fitting India-rubber cap. The jar is then well shaken so that the lime-water is made to thoroughly wash the contained air,

and afterward is left to stand at least eight hours and not more than twenty-four; 60 c. c. are introduced in order that 30 may be taken out for analysis.

Thirty cubic centimeters of lime-water are poured into the graduated glass and its alkalinity determined by the test solution. Then 30 c. c. are taken from the jar and the alkalinity also determined. The difference is doubled to account for the 30 c. c. left in the jar, and the product gives the amount of lime which has combined with the carbonic acid. The amount of the latter is obtained by converting weight into volume according to the atomic weights, and in one sum by the factor .39748+.

The following rule will simplify the calculation: Multiply the difference between the alkalinity of the lime-water before and after it has been placed in the jar by 795 and divide this sum by the number of cubic centimeters in the jar, minus 60. The result will be the ratio of carbonic acid per 1,000 volumes.

A correction must be made for temperature as it is above or below the standard of 62° Fahrenheit. As the coefficient of expansion of air is .0020361 for every degree of Fahrenheit, the rule for correction may be stated with sufficient accuracy thus: For every 5° Fahrenheit above 62° add 1 per cent. to the amount of carbonic acid calculated as above, and deduct the same percentage for every 5° below 62°.

The formula for the correction for pressure is as follows:

$$30 : \text{observed height of bar} :: \text{capacity} : z.$$

The result expressed by  $z$  is substituted for the actual capacity of the jar in the calculation for carbonic acid.





FORM Z.

t-t' = Difference of Wet and Dry Bulb Thermometers.  
(Below the freezing-point; the bulb covered with a film of ice.)

Wet-bulb thermometer, t' centigrade.	Mean vertical difference for each °.1.		0°		1°		2°		3°		4°		5°		6°		7°		8°		9°		10°		11°		12°		13°		14°	
	Force of vapor.	Relative humidity.	Force of vapor.	Relative humidity.	Force of vapor.	Relative humidity.	Force of vapor.	Relative humidity.	Force of vapor.	Relative humidity.	Force of vapor.	Relative humidity.	Force of vapor.	Relative humidity.	Force of vapor.	Relative humidity.	Force of vapor.	Relative humidity.	Force of vapor.	Relative humidity.	Force of vapor.	Relative humidity.	Force of vapor.	Relative humidity.	Force of vapor.	Relative humidity.	Force of vapor.	Relative humidity.	Force of vapor.	Relative humidity.	Force of vapor.	Relative humidity.
Mm.	Mm.	Mm.	Mm.	Mm.	Mm.	Mm.	Mm.	Mm.	Mm.	Mm.	Mm.	Mm.	Mm.	Mm.	Mm.	Mm.	Mm.	Mm.	Mm.	Mm.	Mm.	Mm.	Mm.	Mm.	Mm.	Mm.	Mm.	Mm.	Mm.	Mm.	Mm.	Mm.
25	0.005	0.59	100	0.08	12																											
24	0.006	0.64	100	0.14	19																											
23	0.006	0.70	100	0.19	25																											
22	0.007	0.77	100	0.26	31																											
21	0.008	0.84	100	0.33	36																											
20	0.008	0.91	100	0.40	40																											
19	0.008	0.99	100	0.48	45																											
18	0.009	1.08	100	0.57	48	0.05	4																									
17	0.010	1.17	100	0.66	52	0.15	11																									
16	0.011	1.27	100	0.77	55	0.25	16																									
15	0.012	1.38	100	0.87	58	0.36	22																									
14	0.013	1.50	100	0.99	61	0.47	27																									
13	0.014	1.63	100	1.11	63	0.60	31	0.08	4																							
12	0.015	1.77	100	1.25	65	0.73	35	0.22	10																							
11	0.016	1.92	100	1.40	67	0.88	39	0.36	15																							
10	0.019	2.08	100	1.56	69	1.04	42	0.52	20																							
9	0.021	2.26	100	1.74	71	1.22	46	0.70	24	0.19	6																					
8	0.023	2.46	100	1.94	73	1.42	49	0.90	28	0.38	11																					
7	0.024	2.67	100	2.15	74	1.63	52	1.11	32	0.59	16	0.07	2																			
6	0.025	2.89	100	2.37	76	1.85	55	1.33	36	0.81	20	0.29	7																			
5	0.028	3.13	100	2.61	77	2.09	57	1.57	40	1.04	24	0.52	11																			
4	0.029	3.39	100	2.86	78	2.34	59	1.82	43	1.30	28	0.78	16	0.26	5																	
3	0.031	3.66	100	3.14	79	2.61	61	2.09	45	1.57	32	1.05	20	0.53	9																	
2	0.033	3.96	100	3.43	80	2.91	63	2.38	48	1.86	35	1.34	24	0.82	13	0.30	6															
1	0.034	4.27	100	3.74	81	3.22	65	2.69	51	2.17	38	1.65	27	1.13	17	0.61	9															
0	0.035	4.60	100	4.04	82	3.48	66	2.92	51	2.36	39	1.80	28	1.24	18	0.68	9															

Mean horizontal force of vapor for each °.1 = 0.05 mm.

t-t' = Difference of Wet and Dry-Bulb Thermometers.

Wet-bulb thermometer, t', centigrade.		Mean vertical difference for each 0°.1.		t - t' = Difference of Wet and Dry-Bulb Thermometers.																													
				0°		1°		2°		3°		4°		5°		6°		7°		8°		9°		10°		11°		12°		13°		14°	
		Force of vapor.	Relative humidity.	Force of vapor.	Relative humidity.	Force of vapor.	Relative humidity.	Force of vapor.	Relative humidity.	Force of vapor.	Relative humidity.	Force of vapor.	Relative humidity.	Force of vapor.	Relative humidity.	Force of vapor.	Relative humidity.	Force of vapor.	Relative humidity.	Force of vapor.	Relative humidity.	Force of vapor.	Relative humidity.	Force of vapor.	Relative humidity.	Force of vapor.	Relative humidity.	Force of vapor.	Relative humidity.	Force of vapor.	Relative humidity.	Force of vapor.	Relative humidity.
°	Mm.	Mm.		Mm.		Mm.		Mm.		Mm.		Mm.		Mm.		Mm.		Mm.		Mm.		Mm.		Mm.		Mm.		Mm.		Mm.		Mm.	
1	0.04	4.94	100	4.35	82	3.75	66	3.16	52	2.56	39	1.97	28	1.37	18	0.78	10	0.18	2														
2	0.04	5.30	100	4.71	83	4.11	67	3.51	54	2.92	42	2.32	31	1.73	22	1.13	13	0.53	6														
3	0.04	5.69	100	5.09	83	4.49	69	3.90	56	3.30	44	2.70	34	2.11	25	1.51	16	0.91	9	0.31	3												
4	0.04	6.10	100	5.50	84	4.90	70	4.30	57	3.71	46	3.11	36	2.51	28	1.91	19	1.31	13	0.72	6	0.12	1										
5	0.05	6.53	100	5.94	85	5.34	71	4.74	59	4.14	48	3.54	39	2.94	30	2.34	22	1.74	16	1.14	10	0.54	4										
6	0.05	7.00	100	6.40	85	5.80	72	5.20	61	4.60	50	4.00	41	3.40	33	2.80	25	2.20	18	1.60	13	1.00	7	0.40	3								
7	0.05	7.49	100	6.89	86	6.29	73	5.69	62	5.09	52	4.49	43	3.89	35	3.29	28	2.68	21	2.08	15	1.48	10	0.88	6	0.28	2						
8	0.06	8.02	100	7.42	86	6.81	74	6.21	63	5.61	54	5.01	45	4.41	37	3.80	30	3.20	24	2.60	18	2.00	13	1.40	9	0.80	4	0.20	2				
9	0.06	8.57	100	7.97	86	7.37	75	6.77	65	6.16	55	5.56	47	4.96	39	4.35	32	3.75	26	3.15	20	2.54	16	1.94	11	1.34	7	0.74	5	0.14	1		
10	0.06	9.17	100	8.56	87	7.96	76	7.35	66	6.75	57	6.15	48	5.54	41	4.94	34	4.33	28	3.73	23	3.13	18	2.52	14	1.92	10	1.32	7	0.72	3		
11	0.07	9.79	100	9.19	88	8.58	77	7.98	67	7.37	58	6.77	50	6.16	43	5.56	36	4.95	30	4.35	25	3.74	20	3.14	16	2.54	12	1.94	9	1.34	6		
12	0.07	10.46	100	9.85	88	9.25	78	8.64	68	8.03	59	7.43	52	6.82	44	6.22	38	5.61	32	5.00	27	4.40	22	3.79	18	3.19	14	2.58	11	1.97	8		
13	0.07	11.16	100	10.56	89	9.95	78	9.34	69	8.73	61	8.13	53	7.52	46	6.91	40	6.31	34	5.70	29	5.09	25	4.49	20	3.88	16	3.27	13	2.66	10		
14	0.08	11.91	100	11.30	89	10.69	79	10.08	70	9.48	62	8.87	54	8.26	47	7.65	41	7.04	36	6.44	31	5.83	26	5.22	22	4.61	18	4.00	15	3.40	12		
15	0.08	12.70	100	12.09	89	11.48	80	10.87	71	10.26	63	9.65	55	9.05	49	8.44	43	7.83	37	7.22	33	6.61	28	6.00	24	5.39	20	4.78	17	4.17	14		
16	0.09	13.54	100	12.93	90	12.32	80	11.71	72	11.10	64	10.49	57	9.88	50	9.27	44	8.66	39	8.05	35	7.44	30	6.83	26	6.22	22	5.61	19	5.00	16		
17	0.09	14.42	100	13.81	90	13.20	81	12.59	72	11.98	65	11.37	58	10.76	52	10.14	46	9.53	40	8.92	37	8.31	31	7.70	27	7.09	24	6.48	21	5.87	17		
18	0.10	15.36	100	14.75	90	14.13	81	13.52	73	12.91	66	12.30	59	11.69	53	11.07	47	10.46	42	9.85	38	9.24	33	8.63	29	8.01	25	7.40	22	6.79	19		
19	0.10	16.35	100	15.73	91	15.12	82	14.51	74	13.89	66	13.28	60	12.67	54	12.06	48	11.44	43	10.83	39	10.22	34	9.60	30	8.99	27	8.38	24	7.76	21		
20	0.11	17.39	100	16.78	91	16.16	82	15.55	74	14.94	67	14.32	61	13.71	55	13.09	49	12.48	44	11.87	41	11.25	36	10.64	32	10.02	28	9.41	25	8.80	22		
21	0.12	18.50	100	17.88	91	17.27	83	16.65	75	16.04	68	15.42	62	14.81	56	14.19	51	13.58	46	12.96	42	12.35	37	11.73	33	11.12	30	10.50	27	9.89	24		
22	0.12	19.66	100	19.04	91	18.43	83	17.81	76	17.20	69	16.58	63	15.96	57	15.35	52	14.73	47	14.12	43	13.50	38	12.88	34	12.27	31	11.65	28	11.03	25		
23	0.13	20.89	100	20.27	91	19.65	83	19.04	76	18.42	69	17.80	63	17.19	58	16.57	53	15.95	48	15.34	44	14.72	39	14.10	36	13.48	32	12.86	29	12.25	26		
24	0.14	22.18	100	21.57	92	20.95	84	20.33	77	19.71	70	19.09	64	18.48	59	17.86	53	17.24	49	16.62	45	16.00	40	15.39	37	14.78	33	14.16	30	13.53	27		
25	0.14	23.55	100	22.93	92	22.31	84	21.69	77	21.07	71	20.46	65	19.84	59	19.22	54	18.60	50	17.98	46	17.36	41	16.74	38	16.11	35	15.50	31	14.88	29		
26	0.15	24.99	100	24.37	92	23.75	85	23.13	78	22.50	71	21.88	65	21.26	60	20.64	55	20.02	51	19.40	47	18.78	42	18.16	39	17.54	36	16.92	33	16.30	31		
27	0.16	26.51	100	25.88	92	25.26	85	24.64	78	24.02	72	23.40	66	22.77	61	22.15	56	21.53	51	20.91	48	20.29	43	19.67	40	19.94	37	18.42	34	17.80	31		
28	0.17	28.10	100	27.48	92	26.86	85	26.23	79	25.61	72	24.99	67	24.36	62	23.74	57	23.11	52	22.49	49	21.87	44	21.25	41	20.63	38	20.01	35	19.38	32		
29	0.18	29.78	100	29.16	92	28.53	85	27.91	79	27.29	73	26.66	67	26.04	62	25.41	57	24.79	53	24.16	50	23.54	45	22.91	42	22.29	39	21.66	36	21.04	33		
30	0.19	31.55	100	30.92	93	30.30	86	29.67	79	29.05	73	28.42	68	27.80	63	27.17	58	26.55	54	25.92	51	25.30	46	24.68	43	24.05	39	23.43	37	22.80	34		
31	0.20	33.40	100	32.78	93	32.15	86	31.53	80	30.90	74	30.28	69	29.65	64	29.03	59	28.40	55	27.78	51	27.15	46	26.53	43	25.91	40	25.28	37	24.66	35		
32	0.21	35.36	100	34.73	93	34.11	86	33.48	80	32.85	75	32.22	69	31.59	64	30.97	59	30.35	56	29.72	52	29.10	47	28.47	44	27.85	41	27.22	38	26.59	35		
33	0.22	37.41	100	36.78	93	36.16	86	33.52	80	34.90	75	34.27	70	33.64	65	33.01	60	32.38	56	31.75	52	31.12	48	30.50	45	29.87	42	29.24	39	28.61	36		
34	0.23	39.56	100	38.93	93	38.31	87	37.68	81	37.05	75	36.42	70	35.79	65	35.16	61	34.53	56	33.90	53	33.27	49	32.64	46	32.01	43	31.38	40	30.75	37		
35	0.24	41.83	100	41.20	93	40.57	87	39.93	81	39.31	76	38.68	70	38.05	65	37.42	61	36.79	57	36.16	53	35.53	50	34.90	46	34.27	43	33.64	40	33.01	38		
36	0.25	44.20	100	43.76	93	42.94	87	42.30	81	41.67	76	41.04	71	40.41	66	39.78	62	39.15	58	38.52	54	37.89	50	37.25	47	36.62	44	35.99	41	35.36	38		
37	0.26	46.69	100	46.06	93	45.43	88	44.79	82	44.16	76	43.53	71	42.90	66	42.26	62	41.63	58	41.00	55	40.37	51	39.73	48	39.10	45	38.47	42	37.84	39		
38	0.27	49.30	100	48.67	94	48.03	88	47.40	82	46.77	77	46.13	72	45.50	67	44.87	63	44.23	59	43.60	55	42.97	52	42.33	48	41.70	45	41.07	42	40.43	40		
39	0.29	52.04	100	51.40	94	50.77	88	50.13	82	49.50	77	48.86	72	48.23	67	47.60	63	46.96	59	46.33	56	45.69	52	45.06	49	44.42	46	43.79	43	43.15	40		
40	0.30	54.91	100	54.27	94	53.63	88	53.00	82	52.36	77	51.73	73	51.09	68	50.45	64	49.82	60	49.18	56	48.55	53	47.91	50	47.28	47	46.64	44	46.00	41		
41	0.31	57.91	100	57.27	94	56.64	88	56.00	83	55.36	78	54.72	73	54.09	68	53.45	64	52.81	61	52.18	58	51.54	53	50.90	50	50.27	47	49.63	44	48.99	42		
42	0.33	61.05	100	60.42	94	59.78	88	59.14	83	58.50	78	57.86	73	57.23	69	56.59	65	55.95	61	55.31	58	54.67	54	54.04	51	53.40	48	52.76	45	52.12	42		
43	0.34	64.35	100	63.71	94	63.07	88	62.43	83	61.79	78	61.15	74	60.51	69	59.87	65	59.23	61	58.59	58	57.95	54	57.32	51	56.68	48	56.04	45	55.40	43		
44	0.36	67.79	100	67.15	94	66.51	89	65.87	83	65.23	78	64.59	74	63.95	70	63.31	66	62.67	62	62.03	58	61.39	55										



---

SUPPLY TABLE

FOR THE

MEDICAL DEPARTMENT

OF

VESSELS OF THE NAVY.

---



# SUPPLY-TABLE.

Articles.	Less than 50 men.	50 to 100 men.	100 to 200 men.	200 to 400 men.	400 and upwards.
<b>MEDICINES.</b>					
	<i>Med. chest.</i>				
Acaciæ pulvis, 8-oz. bottles	lb. 1 2	1	2	4	
Acidum aceticum, 8-oz. bottles	lb. 1 2	1	1	1	
Acidum carbolic. cryst., 2-oz. g. s. bottles	oz. 2 2	2	4	4	
Acidum carbolicum imp., 1-lb. bottles	lb. 1	2	4	8	12
Acidum citricum, 3-oz. bottles	lb. 1 2	2	1	1	
Acidum muriaticum, 4-oz. g. s. bottles	oz. 4	4	4	4	8
Acidum nitricum, 4-oz. g. s. bottles	oz. 4	4	4	4	8
Acidum phosphor. dil., 4-oz. g. s. bottles	oz. 4	4	4	4	8
Acidum salicylicum, 1-oz. bottles	oz. 1	2	4	6	8
Acidum sulphuricum, 4-oz. g. s. bottles	oz. 4	4	8	8	16
Acidum sulphur. aromat., 4-oz. g. s. bottles	oz. 4	4	4	8	12
Acidum tannicum, 1-oz. bottles	oz. 1	1	2	4	6
Acidum tartaricum, 8-oz. bottles	lb. 1 2	1	2	4	
Aconiti radiceis ext. fluid., 2-oz. bottles	oz. 1	2	4	6	
Adipis cerat. benzoat., 1-lb. jars	lb. 1	1	2	4	6
Æther, 8-oz. tins	lb. 1 2	1	4	8	
Ætheris spiritus comp., 4-oz. g. s. bottles	lb. 1	1	1	1	
Ætheris spiritus nitros, 8-oz. g. s. bottles	lb. 1 2	1	3	4	
Alcohol, pint bottles	pts. 1	4	5	12	10
Aloe, 1-oz. bottles	oz. 1	1	1	1	
Alumen, 8-oz. bottles	lb. 1 2	1	1	2	
Ammonia aqua, 8-oz. g. s. bottles	lb. 1 2	1	3	4	
Ammonii carbonas, 4-oz. bottles	lb. 1	1	1	1	
Ammonii chloridum, 3-oz. bottles	lb. 1	1	2	2	
Ammonia spirit. arom., 4-oz. g. s. bottles	lb. 1 2	1	2	1	
Antimonii et potass. tart., 1-oz. bottles	oz. 1	1	1	1	
Argenti nitras, 1-oz. bottles	oz. 1	1	1	1	
Argenti nitras fusa, 1-oz. bottles	oz. 1	1	2	2	3
Arnica rad. ext. fluid., 8-oz. bottles	lb. 1 2	1	2	2	
Atropia sulphas, 1-dr. g. s. bottles	dr. 1	1	1	1	
Belladon. ext. alc., 1-oz. g. jars	oz. 1	1	1	1	
Bismuth. subcarb., 2-oz. bottles	oz. 2	2	4	4	
Buchu ext. fluid., 8-oz. bottles	lb. 1 2	1	1	1	
Camphora, 4-oz. bottles	lb. 1	1	1	1	
Cannabis indic. ext. alc., 1-oz. g. jars	oz. 1	1	2	3	
Cantharidis ext. cerat., 4-oz. g. jars	lb. 1	1	1	1	
Cantharidis tinct., 2-oz. bottles	oz. 2	2	4	6	
Capsici ext. fluid., 4-oz. bottles	lb. 1	1	1	1	
Catechu, 4-oz. bottles	lb. 1	1	1	1	
Chloral hydras, 1-oz. g. s. bottles	oz. 2	4	6	6	
Chloroformum purificat., 1-lb. g. s. bottles	lb. 1	2	4	6	6
Cinchona ext. fluid. comp., 8-oz. bottles	lb. 1 2	1	2	3	



## SUPPLY-TABLE—Continued.

Articles.	Less than 50 men.	50 to 100 men.	100 to 200 men.	200 to 400 men.	400 and upwards.
<b>MEDICINES.</b>					
	<i>Med. chest.</i>				
Cinchonix sulphas.....oz.	2	4	8	12	16
Cinnamomi oleum, 1-oz. g. s. bottles.....oz.	2	4	1	1	1
Colchici sem. ext. fluid., 4-oz. bottles.....oz.	4	8	12	12	12
Collodium, 1-oz. bottles.....oz.	1	2	2	4	4
Colocynth. ext. comp., 1-oz. g. jars.....oz.	2	2	2	4	4
Copaiba, 1-lb. bottles.....lb.	1	1	3	4	6
Creta preparata, 8-oz. bottles.....lb.	1	1	1	2	3
Cubebx oleo-resina, 8-oz. bottles.....oz.	4	8	8	16	16
Cupri sulphas, 2-oz. bottles.....oz.	2	2	2	4	4
Digitalis tinctura, 2-oz. bottles.....oz.	2	2	2	4	4
Ergotx ext. fluid., 4-oz. bottles.....oz.	4	4	4	8	8
Ferri chloridi tinctura, 8-oz. g. s. bottles.....oz.	4	16	16	32	32
Ferri et potass. tart., 8-oz. bottles.....lb.	1	1	2	4	4
Ferri pyrophosphas, 4-oz. bottles.....lb.	1	1	1	1	1
Ferrum dialysatum, 8-oz. bottles.....lb.	1	1	1	1	1
Ferri sub sulph. liq., 1-oz. g. s. bottles.....oz.	1	1	2	4	6
Ferri sulphas, 5-lb. box.....lb.	10	20	30	50	50
Filicis oleo-resina.....oz.	1	2	2	2	2
Gentianx ext. fluid. comp., 8-oz. bottles.....lb.	1	1	2	2	2
Gentianx extractum, 1-oz. g. jars.....oz.	1	2	4	4	4
Glycerina, 8-oz. bottles.....lb.	1	2	4	6	6
Glycyrrhizx ext., paper.....lb.	1	2	4	6	6
Glycyrrhizx pulvis, 4-oz. bottles.....oz.	4	4	8	8	8
Hydrarg. chlor. corros., 1-oz. bottles.....oz.	1	1	1	1	1
Hydrarg. chlor. mite, 2-oz. bottles.....oz.	2	2	4	4	4
Hydrarg. iodic. viride, 1-oz. bottles.....oz.	1	1	2	3	3
Hydrarg. nitrat. unguent., 2-oz. jars.....oz.	2	2	4	4	4
Hydrarg. pilul., 4-oz. jars.....lb.	1	1	1	1	1
Hydrarg. unguent., 8-oz. jars.....lb.	1	1	2	2	2
Hyoscyami ext. alc., 1-oz. g. jars.....oz.	1	1	2	2	2
Iodinium, 1-oz. g. s. bottles.....oz.	1	1	2	3	3
Iodoformum, 1-oz. bottles.....oz.	1	1	2	2	2
Ipecacuanhx ext. fluid., 2-oz. bottles.....oz.	2	2	4	6	6
Ipecacuanhx pulvis, 4-oz. bottles.....lb.	1	1	2	2	2
Ipecacuanhx pulvis comp., 8-oz. bottles.....lb.	1	1	1	1	1
Jalapx ext., 1-oz. g. jars.....oz.	1	1	2	2	2
Lavand. spirit. comp., 1-lb. bottles.....lb.	1	1	2	3	3
Lini farina, 5-lb. tins.....lb.	5	10	15	40	40
Linum, 5-lb. tins.....lb.	5	5	10	10	10
Lithii carb.....oz.	1	2	2	2	2
Magnesia, 4-oz. bottles.....lb.	4	4	4	4	4
Magnesi sulph., 8-lb. tins.....lb.	4	8	8	16	24

## SUPPLY-TABLE—Continued.

Articles.	Less than 50 men.	50 to 100 men.	100 to 200 men.	200 to 400 men.	400 and upwards.
<b>MEDICINES.</b>					
	<i>Med. chest.</i>				
Menth. pip. ol., 1-oz. bottles.....oz.	1	1	2	3	
Morphiæ sulphas, 1-dr. bottles.....dr.	1	2	4	6	8
Morrhuae oleum, 1-pt. bottles.....pts.	2	6	12	18	24
Myrrha, 2-oz. bottles.....oz.			2	4	4
Nucis vomicæ ext. alc., 1-oz. g. jars.....oz.	1	1	1	1	1
Olivæ oleum, 1-pt. bottles.....pts.	1	2	4	8	12
Opii pulvis, 2-oz. bottles.....oz.	1	2	4	4	4
Opii tinctura, 1-lb. bottles.....lb.	1	2	2	4	6
Opii tinctura camph., 1-lb. bottles.....lb.	1	2	4	6	8
Pepsina, 1-oz. bottles.....oz.	1	1	2	3	3
Pilul. cathart. comp., 1-oz. bottles.....oz.	1	1	1	2	3
Pilul. laxativ., 1-oz. bottles.....oz.	1	1	2	4	4
Plumbi acetas, 8-oz. bottles.....lb.	1	1	1	2	2
Plumbi nitras, 5-lb. tins.....lb.	10	20	30	50	
Podophylli resina, 1-oz. bottles.....oz.	1	1	1	1	1
Potass. arsenit. liq., 4-oz. bottles.....oz.	4	4	8	8	8
Potass. acetas, 8-oz. bottles.....lb.		1	1	1	1
Potass. bicarb., 8-oz. bottles.....lb.	1	1	1	1	1
Potass. bichromas, 8-oz. bottles.....lb.	1	1	1	1	1
Potass. bitart., 8-oz. bottles.....lb.	1	1	1	2	2
Potass. chloras, 8-oz. bottles.....lb.	1	1	1	1	1
Potass. et sod. tart., 1-lb. bottles.....lb.	1	2	4	6	6
Potass. nitras, 8-oz. bottles.....lb.	1	1	1	1	1
Potass. permanganas, 1-oz. bottles.....oz.	1	1	1	2	3
Potassii bromidum, 8-oz. bottles.....lb.	1	1	1	1	2
Potassii iodidum, 8-oz. bottles.....lb.	1	2	3	4	5
Pruni virg. ext. fluid., 8-oz. bottles.....lb.			1	1	1
Quinæ sulphas.....oz.	2	4	8	12	16
Resinæ ceratum, 1-lb. tins.....lb.	1	1	2	4	4
Ricini oleum, 1-pt. bottles.....pts.	2	6	12	24	36
Rhei ext. fluid., 4-oz. bottles.....oz.		4	8	12	16
Rhei pulvis, 4-oz. bottles.....oz.	4	4	4	8	8
Sapo.....lb.	1	2	4	6	8
Saponis linimentum, 1-lb. bottles.....lb.	1	2	4	6	8
Scillæ syrupus, 1-lb. bottles.....lb.	1	2	4	6	8
Senegæ ext. fluid., 8-oz. bottles.....lb.		1	1	1	1
Sennæ ext. fluid. comp., 8-oz. bottles.....lb.	1	1	1	2	2
Sinapis pulvis, 2-lb. tins.....lb.	2	2	2	4	4
Sodii bicarbonas, 1-lb. bottles.....lb.	1	1	2	3	4
Sodii boras, 8-oz. bottles.....lb.		1	1	2	3
Sodæ chlor. liquor, 1-lb. g. s. bottles.....lb.	2	4	6	6	6
Strychnia, 1-dr. bottles.....dr.	1	1	1	1	1

## SUPPLY-TABLE—Continued.

Articles.	Less than 50 men.	50 to 100 men.	100 to 200 men.	200 to 400 men.	400 and upwards.
<b>MEDICINES.</b>					
	<i>Med. chest.</i>				
Sulphur.....lb.	1	1	2	2	2
Terebinth. oleum, 1-pt. bottles.....pts.	1	2	2	4	6
Theobromæ oleum, 2-oz. bottles.....oz.	2	2	4	6	6
Tigllii oleum, 1-oz. bottles.....oz.	1	1	1	1	1
Valerianæ ext. fluid., 8-oz. bottles.....lb.	1	2	1	1	1
Vaseline.....lb.	1	1	1	2	2
Verat. virid. tinct., 1-oz. bottles.....oz.	1	1	1	1	1
Virus vaccinum (special requisition).....					
Zinci carb. præcip., 1-oz. bottles.....oz.	1	1	2	2	3
Zinci sulphas, 1-oz. bottles.....oz.	1	1	2	2	3
Zingiberis ext. fluid., 8-oz. bottles.....lb.	1	1	1	2	2
<b>HOSPITAL STORES.</b>					
Ale.....pts.	12	24	36	36	36
Arrowroot, 2-lb. tins.....lb.	2	2	4	6	8
Barley, 2-lb. tins.....lb.	2	2	4	8	12
Brandy, 1-pt. bottles.....pts.	8	12	24	30	30
Corn-starch, 2-lb. tins.....lb.	2	4	4	4	4
Extract of beef, 2-oz. jars.....lb.	1	2	4	6	8
Milk, in cans, 1-lb. cans.....lb.	4	6	8	12	12
Nutmegs.....oz.	1	1	1	1	1
Sugar, white, 5-lb. cans.....lb.	5	5	10	15	15
Tapioca, 2-lb. tins.....lb.	1	2	2	4	4
Tea, black, 8-oz. tins.....lb.	2	2	3	3	4
Whisky, 1-pt. bottles.....pts.	4	12	24	36	36
Wine, port, 1-pt. bottles.....pts.	7	12	24	24	24
Wine, sherry, 1-pt. bottles.....pts.	6	12	24	24	24
<b>SURGICAL INSTRUMENTS.</b>					
Aspirator.....no.		1	1	1	1
Atomizer, steam.....no.		1	1	1	1
Bougies, gum*.....no.					
Bougies, o. p.*.....no.					
Catheters, gum*.....no.					
Catheters, o. p.*.....no.					
Catheters, silver.....no.	1	2	2		
Case, autopsic.....no.				1	1
Case, dental, No. 1.....no.			1	1	1
Case, dental, No. 2.....no.	1	1			
Case, eye and ear.....no.				1	1

\* Should be required for in specified numbers and sizes.

SUPPLY-TABLE—Continued.

Articles.	Less than 50 men.	50 to 100 men.	100 to 200 men.	200 to 400 men.	400 and upwards.
SURGICAL INSTRUMENTS.					
Case, expeditionary and boat.....no.	1	1	1	1	1
Case, general operating.....no.				1	1
Case, general operating, small, Wood's.....no.		1	1		
Case, pocket.....no.	1	1	1	2	2
Case, urinary.....no.				1	1
Cupping-glasses.....no.	4	6	12	18	18
Galvanic battery.....no.				1	1
Lancets, thumb.....no.	1	2	2	2	2
Laryngoscope.....no.			1	1	1
Microscope (sp. reqn.).....no.				1	1
Ophthalmoscope.....no.			1	1	1
Razor.....no.		1	1	1	1
Razor-strop.....no.	1	1	1	1	1
Scarificator.....no.		1	1	1	1
Speculum, anal.....no.			1	1	1
Speculum, aural.....set.	1	1	1		
Stethoscope, double.....no.		1	1	1	1
Stomach-pump.....no.	1	1	1	1	1
Syringes, enema.....no.	1	1	1	1	1
Syringes, hypodermic, s. r.....no.	1	1	1	1	1
Syringes, p., glass.....no.		3	4	6	8
Syringes, p., rubber.....no.	2	3	4	6	8
Syringe, self-injecting.....no.	1	1	2	3	4
Thermometers, clinical.....sets.	1	1	1	2	2
Tourniquets, field.....no.	4	10	20	30	30
Tourniquets, screw.....no.		4	8	12	16
Urinometer.....no.		1	1	1	1
SURGICAL APPLIANCES.					
Bandages, roller.....no.	12				
Bandage, Esmarch's.....no.			1	1	1
Bandages, suspensory.....no.		4	6	8	10
Binders' boards.....no.		2	2	4	4
Buckskins.....no.		1	1	2	2
Cotton batting, 1-lb. packages.....lb.	1	2	2	4	4
Flannel.....yds.	2	5	5	8	10
Gypsum, calcined, 5-lb. tins.....lb.		5	5	10	10
Ligature, silk.....oz.	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{2}$
Ligature, wire, 1-yd. rolls.....yds.		1	1	2	2
Lint, patent.....lb.	1	5	5	10	10
Muslin.....yds.	4	40	80	120	120

## SUPPLY-TABLE—Continued.

Articles.	Less than 50 men.	50 to 100 men.	100 to 200 men.	200 to 400 men.	400 and upwards.
SURGICAL APPLIANCES.					
Muslin, oiled, 1-yd. rolls....	yds. 3	3	4	5	5
Needles, thimble and thread.....	sets. 1	1	1	1	1
Pencils, hair.....	no. 2	6	6	12	12
Pins.....	lb. 1	1	1	1	1
Plaster, adhesive, 5-yd. rolls.....	yds. 1	5	5	10	10
Plaster, isinglass, 1-yd. rolls.....	yds. 1	1	2	3	3
Silk, gray.....	yds. 1	1	1	1	1
Splints.....	sets. 1	1	1	1	1
Sponge, bath.....	lb. 1	1	1	1	1
Sponge, surgical.....	lb. 1	1	1	1	1
Tape.....	pieces. 2	6	12	10	10
Tape line.....	no. 1	1	1	1	1
Trusses, single.....	no. 2	2	4	6	6
Trusses, double.....	no. 1	1	2	2	2
Wax, yellow.....	lb. 1	1	1	1	1
DISPENSARY FURNITURE.					
Apparatus stand.....	no. 1	1	1	1	1
Apparatus, atmospheric.....	no. 1	1	1	1	1
Boat medicine-chest.....	no. 1	1	2	2	2
Bottle clasps.....	no. 1	1	1	1	1
Bottles, tincture, pints.....	no. 1	1	1	1	1
Bottles, tincture, 8-ounce.....	no. 1	1	1	1	1
Bottles, tincture, 4-ounce.....	no. 1	1	1	1	1
Bottles, tincture, 1-ounce.....	no. 1	1	1	1	1
Bottles, tincture, ½-ounce.....	no. 1	1	1	1	1
Bottles, salt-mouth, pints.....	no. 1	1	1	1	1
Bottles, salt-mouth, 8-ounce.....	no. 1	1	1	1	1
Bottles, salt-mouth, 4-ounce.....	no. 1	1	1	1	1
Bottles, salt-mouth, 2-ounce.....	no. 1	1	1	1	1
Bottles, salt-mouth, 1-ounce.....	no. 1	1	1	1	1
Bottles, salt-mouth, ½-ounce.....	no. 1	1	1	1	1
Corks, bottle.....	gross. 1	1	1	1	1
Corks, vial.....	gross. 1	1	1	1	1
Cork extractor.....	no. 1	1	1	1	1
Corkscrew.....	no. 1	1	1	1	1
Funnels, glass.....	no. 1	1	1	1	1
Funnels, gutta percha.....	no. 1	1	1	1	1
Gallicups.....	no. 4	4	6	8	8
Grater, nutmeg.....	no. 1	1	1	1	1
Lamp, nursery.....	no. 1	1	1	1	1

## SUPPLY-TABLE—Continued.

Articles.	Less than 50 men.	50 to 100 men.	100 to 200 men.	200 to 400 men.	400 and upwards.
DISPENSARY FURNITURE.					
Litmus paper, red.....	bot.	1	1	1	1
Litmus paper, blue.....	bot.	1	1	1	1
Measures, tin, pint.....	no.	1	1	1	1
Measures, tin, ½-pint.....	no.	1	1	1	1
Measures, glass, 8-ounce.....	no.		1	1	1
Measures, glass, 4-ounce.....	no.	1	1	1	1
Measures, glass, 2-ounce.....	no.	1	1	1	1
Measures, glass, 1-ounce.....	no.	1	1	1	1
Measures, glass, 1-drachm.....	no.	1	1	1	1
Medicine chest.....	no.	1			
Mortar and pestle, glass.....	no.	1	1	1	1
Mortar and pestle, wedgewood.....	no.	1	2	2	2
Percolator.....	no.		1	1	1
Pill boxes, paper.....	papers.	2	3	6	12
Pill boxes, wood.....	doz.	1	1	2	2
Pill tile.....	no.	1	1	1	1
Psychrometer.....	no.	1	1	1	1
Scales, apothecary's.....	no.	1	1	1	1
Scales, apothecary's, small.....	no.	1			
Scale-case.....	no.	1	1	1	1
Scissors.....	pairs.	1	1	2	2
Sheepskins.....	no.	2	4	6	8
Spatulas, 6-inch.....	no.			1	1
Spatulas, 5-inch.....	no.	1	1	1	1
Spatulas, 4-inch.....	no.	1			
Spatulas, 3-inch.....	no.	1	1	1	1
Spirit-lamp.....	no.	1	1	1	1
Test case.....	no.		1	1	1
Test tubes.....	no.	4	4	8	8
Tubing, glass.....	lb.	4	4	4	1
Twine.....	lb.	2	2	1	1
Vials assorted.....	doz.	1	3	4	6
Weights, apothecary's.....	sets.	1	1	1	1
HOSPITAL FURNITURE.					
Basin and pitcher, delf.....	no.	1	1	1	1
Basin and pitcher, metal.....	no.	1	2	2	3
Basin, tin dressing.....	no.	2	2	3	3
Bed-pan.....	no.	1	1	2	2
Bowls, pint.....	no.	2	3	4	4
Brush, dust.....	no.	1	1	1	1

## SUPPLY-TABLE—Continued.

Articles.	Less than 50 men.	50 to 100 men.	100 to 200 men.	200 to 400 men.	400 and upwards.
HOSPITAL FURNITURE.					
Bucket, tin .....	no.	1	1	2	2
Bucket, wood .....	no.	1	1	2	2
Candlesticks .....	no.	1	2	4	4
Chairs .....	no.		2	3	4
Close-stool, large .....	no.			1	1
Close-stool, small .....	no.	1	1		
Cups and saucers .....	no.	2	3	6	6
Feeding cups .....	no.	1	1	4	4
Filter, water .....	no.		1	1	1
Knives and forks .....	no.	2	4	6	6
Ladle .....	no.		1	1	1
Lamps, hanging .....	no.	1	2	2	2
Lantern, hand .....	no.	1	1	1	1
Mugs .....	no.	1	1	2	4
Pans .....	no.		1	2	4
Sauce-pans .....	no.		2	3	3
Shovels, dust .....	no.	1	1	1	1
Spit-cups .....	no.	2	4	4	6
Spoons, medicine .....	no.	1	2	2	4
Spoons, table .....	no.	1	4	4	6
Spoons, tea .....	no.	1	4	4	6
Table, writing and operating .....	no.			1	1
Table, writing .....	no.	1	1		
Tea-pot .....	no.	1	1	1	1
Tub, foot .....	no.		1	2	1
Tumblers .....	no.	1	2	2	4
Urinals, glass .....	no.		2	2	2
Wine-glasses .....	no.	1	2	2	4
BEDDING.					
Bed-spreads .....	no.	2	4	6	8
Blankets .....	no.	2	2	4	6
Mattresses, hair .....	no.		2	4	6
Mattress-covers .....	no.		2	4	6
Pillows .....	no.		2	4	6
Pillow-covers .....	no.		2	4	6
Pillow-cases .....	no.		4	8	12
Pillow-cases, gum .....	no.		1	2	2
Sheets, cotton .....	no.		6	12	24
Sheets, gum .....	no.	1	1	2	2
Towels .....	no.	4	6	6	12



## SUPPLY-TABLE—Continued.

Articles.	Less than 50 men.	50 to 100 men.	100 to 200 men.	200 to 400 men.	400 and upwards.
BOOKS.					
Dispensary.....no.	1	1	1	1	1
Parke's Hygiene.....no.	1	1	1	1	1
Formulary.....no.	1	1	1	1	1
STATIONERY.					
Blank-book, foolscap, 4-quire.....no.	1	2	2	2	2
Blank-book, foolscap, 2-quire.....no.	1	2	2	3	3
Blank-book, small quarto.....no.	1	2	2	3	3
Envelopes, official.....no.	25	25	50	50	100
Envelopes, small.....no.	25	25	50	50	100
Eraser, knife.....no.	1	1	1	1	1
India rubber.....pieces	1	1	1	1	1
Ink, black.....bot.	1	1	2	2	4
Ink, red.....bot.	1	1	1	1	1
Inkstands.....no.	1	1	1	2	2
Lead pencils.....no.	2	2	6	6	8
Medical journals.....no.	1	1	2	3	4
Mucilage.....bot.	1	1	1	1	1
Paper, blotting.....qrs.	4	4	4	4	4
Paper, envelope.....qrs.	4	1	2	4	4
Paper, filtering.....qrs.	1	1	2	4	6
Paper, foolscap.....qrs.	4	10	10	10	10
Paper, official.....qrs.	2	5	5	10	10
Paper, letter.....qrs.	2	5	10	10	10
Paper, ruled note.....qrs.	1	2	5	10	10
Paper, wrapping, blue.....qrs.	1	2	10	15	20
Paper, wrapping, white.....qrs.	2	5	5	10	10
Penholders.....no.	2	6	6	12	12
Penknives.....no.	1	1	1	1	1
Pens, steel.....box.	4	1	1	1	1
Portfolios.....no.	1	1	1	1	1
Quills.....no.	25	25	25	25	25
Rulers.....no.	1	1	1	1	1



## CONTENTS OF INSTRUMENT CASES.

**General Operating Case.**

- 1 large saw.
- 1 butcher's saw with extra blade.
- 1 metacarpal saw with movable back.
- 1 chain saw.
- 1 Hey's saw.
- 2 trephines (1 small, 1 large).
- 1 elevator.
- 3 bone-cutting forceps.
- 3 bone-holding forceps.
- 3 gouges.
- 4 bone-drills (with one handle).
- 1 straight knife, 9½-inch cutting-edge.
- 1 straight knife, 7-inch cutting-edge.
- 1 catling, 8-inch.
- 1 catling, 6½-inch.
- 1 cartilage-knife.
- 7 scalpels (3 dissecting, 4 large).
- 2 tenacula.
- 3 artery-forceps (1 Liston's b. d., 1 slide-catch, 1 dissecting).
- 1 dressing-forceps.
- 3 probes (1 Nelaton's bullet-probe and 2 silver).
- 2 directors.
- 1 probang.
- 1 bristle probang.
- 1 œsophageal forceps (Bond's).
- 6 pair serre-fines.
- 1 straight trocar and canula.
- 1 curved trocar and canula.
- 2 tracheotomy-tubes (1 large, 1 medium).
- 1 tongue-depressor.
- 12 yards suture-wire (9 yards silver, 3 yards lead).
- 2 metal retractors.

- 12 surgeon's needles (6 sharp and 6 curved).
- 6 wire suture-needles and 3 Emmett's.
- 1 needle-carrier and cutting-pliers.
- 2 dozen suture-pins.
- $\frac{1}{4}$  ounce ligature-silk.
- 1 Sim's torsion-forceps.
- 1 screw tourniquet.
- 1 straight probe-pointed bistoury.
- 1 straight sharp-pointed bistoury.
- 1 curved probe-pointed bistoury.
- 1 curved sharp-pointed bistoury.
- 1 curved hernia-knife.
- 1 lithotomy-scalpel (sharp-pointed).
- 1 lithotomy-bistoury (probe-pointed).
- 1 aneurism-needle (with set of movable points, Mott's).
- 2 pair scissors (1 straight, 1 curved on edge).
- 1 bullet-forceps (Gross').

#### **Expeditionary and Boat Case.**

- 1 straight knife, 10 inches.
- 1 catling, 9 inches.
- 1 straight knife, 8 inches.
- 1 scalpel, 3 inches.
- 1 bistoury, 3 inches.
- 1 tenaculum.
- 1 artery-needle.
- 2 artery-forceps (1 Liston's, 1 slide-catch).
- 1 amputating-saw.
- 1 metacarpal saw.
- 1 bone-cutting forceps (Liston's).
- 1 bullet-forceps (Tiemann & Co.).
- 1 tourniquet, screw.
- 1 dozen needles.
- 3 skeins silk.

**Pocket Case.**

- I straight finger-knife.
- I double-edged scalpel.
- I curved bistoury, sharp-pointed.
- I catheter (Parker's).
- I tenaculum, with 3 movable points (artery-needle, etc., Mott's).
- I lancet, thumb in one end, vaccinator in the other.
- I curved bistoury, probe-pointed.
- I exploring trocar.
- I razor (small).
- I tenotome.
- I pair scissors, straight.
- I pair scissors, curved or flat.
- I dressing-forceps.
- I artery-forceps (Amussat's, arranged to carry needle).
- I artery-forceps (Liston's bull-dog, fenestrated).
- I lancet, abscess.
- 2 probes, silver.
- I probe with porte-mèche and porcelain button.
- I director, silver curved spatula-handle.
- I double canula.
- 25 silvered entomological pins.
- 6 suture-needles, 3 straight, 3 grooved for wire.
- 6 acupuncture needles.
- Silver and lead wire.

**Eye and Ear Case.**

- I Anel's (silver) syringe and probe.
- I set Bowman's probes, Nos. 1 to 8.
- I cilia-forceps.
- I iris-forceps.
- 2 Von Græfe's knives.
- I Weber's canaliculus knife.
- I pair scissors, Noyes' iris.
- I Critchett's spoon.

- 1 strabismus-hook.
- 1 Noyes' eye-speculum.
- 1 hydrocele-syringe, with stop-cock and ear-piece.
- 1 set specula (Toynbee's).
- 1 curette, Gross'.
- 1 eustachian catheter.
- 1 Politzer's bag.
- 1 Toynbee's forceps.

#### Urinary Case.

- 1 set (Van Buren's) bougies, nickel-plated, Nos. 6, 9, 12, 15, 18.
- 1 straight sound.
- 1 grooved staff, medium (Little's).
- 3 catheters, silver, Nos. 3, 6, 9.
- 1 prostatic catheter (Van Buren's).
- 1 prostatic catheter (Squire's).
- 1 lithotomy-forceps.
- 12 whalebone bougies.
- 3 s. s. bougies, Nos. 1 to 6, inclusive, double.

#### Dental Case No. 1.

- 1 upper-bicusped forceps.
- 1 lower-incisor forceps.
- 1 right upper-molar forceps.
- 1 left upper-molar forceps.
- 1 lower-molar forceps for both sides.
- 1 wisdom-tooth forceps (bayonet).
- 1 front-root forceps.
- 1 back-root forceps (bayonet).
- 2 elevators.
- 1 gum lancet.

#### Dental Case No. 2.

- 1 upper-incisor forceps.
- 1 lower-incisor forceps.

- 1 universal forceps.
- 1 lower-molar forceps.
- 1 root-forceps.
- 1 elevator.
- 1 gum-lancet.

#### **Autopsic Case.**

- 1 aneurism needle, large.
- 1 blow-pipe.
- 1 brain-knife, double edged.
- 1 cartilage-knife.
- 1 set chain-hooks.
- 1 gouge and 1 chisel.
- 1 costatome.
- 1 director.
- 1 enterotome.
- 1 Billings' dissecting forceps.
- 1 hammer.
- 3 large needles.
- 1 saw.
- 4 scalpels, assorted sizes.
- 1 pair scissors.
- 1 tenaculum.

#### **Laryngoscope Case.**

- 1 3½-inch mirror with head band.
- 2 laryngeal mirrors, Nos. 3 and 5.
- 1 pair Shimrock's laryngeal forceps.

#### **Aspirator.**

- 1 pump and tubing.
- 3 trocars and needles, nickel-plated.
- 1 32-ounce bottle, graduated.

**General Operating Case (Wood's) No. 2.**

- I pair silver probes.
- 2 steel sounds.
- I long amputating knife.
- I circular knife.
- I catling.
- I trepanning scalpel with raspatory.
- I spiral tourniquet.
- I 2 needles, silk, wax, plastic pins.
- I trepanning brush.
- I metacarpal saw.
- I Tiemann & Co.'s bullet forceps.
- I pair straight dressing scissors.
- I pair curved eye scissors.
- I Hey's saw.
- I silver-plated catheter.
- I gum-elastic catheter.
- 2 gum-elastic bougies.
- I capital saw.
- I pair Liston's bone-forceps.
- I trephine and handle, Galt's.
- I pair spring-catch artery forceps, plain.
- I trepanning elevator.
- I director, steel.
- I Beer's cataract knife.
- I curved sharp-pointed bistoury.
- I curved probe-pointed bistoury.
- 2 scalpels.
- I plain aneurism-needle.
- I tenaculum.
- I strabismus blunt hook.
- I straight eye-needle.
- I curved eye-needle.
- I curved eye-forceps, strabismus.

**Set of Splints.**

- 1 double inclined plane.
- 1 long splint, for fractures of the lower extremities, with a belt and perineal pad and strap.
- 1 short carved splint, for the inside of the thigh.
- 2 carved splints for general use.  
(All these have pads fitted and tied to them.)
- 1 set of leathered wooden splints.
- 2 sheets of cotton wadding.
- 1 package of tow.

The double inclined plane has the lower part so arranged as to be easily detached and used separately as a fracture-box when required; it has also large buttons on the bottom, which, when turned crosswise, make the apparatus rest more firmly on the mattress.

The long splint, for the lower extremities, is adapted for the use of an adhesive-plaster extending-band. A strip of adhesive plaster, about two inches wide, is to be applied to the limb in the direction of its axis from the seat of fracture, down one side and up the other, leaving a loop or stirrup under the sole of the foot. The whole is then enveloped with a roller bandage, applied with a moderate degree of firmness. A thin piece of board, about two inches square, is made to adhere to the inside of the loop or stirrup at the sole of the foot, and around this, and over the hook of the splint, a piece of tape is passed, by which to make extension.

A pocket is made in the belt to receive the upper end of the splint, and the buckles on the outside of the pocket receive the ends of the perineal straps for counter extension.

To adapt the splint to opposite sides, it is only necessary to take out the hook and adjust it so that the opening may look upward.

**Contents of Box for Examination of Air.**

- 2 glass bottles with India rubber stoppers.
- 1 Mohr's brulette, 50 c. c., complete.
- 1 glass graduate, 60 c. c.
- 1 glass bottle, 1,000 c. c. capacity.
- 1 glass bottle for lime-water.
- Glass rods, q. s.
- Sheet rubber, q. s.
- Litmus or turmeric paper, q. s.
- Oxalic acid, crystallized, in small glass bottles, each containing 2.25 grammes of acid.

**Test Case.**

Red and blue litmus paper.

Forceps.

Urinometer.

4 porcelain capsules and covers.

2 separating glasses.

4 test tubes.

3 glass tubes.

3 glass rods.

3 watch glasses.

1 gas-tube, 25 c. c.

1 graduated tube, with foot, 25 c. c.

2 glass funnels.

2 small beakers.

1 pipette, 5 c. c. graduated in 1-10.

2 sheets Swedish filtering paper, "J. H. Munktell."

1 mahogany case.

1 set centesimal weights.

1 ounce acetic acid, c. p.

1 ounce hydrochloric acid, c. p.

1 ounce nitric acid, c. p.

1 ounce sulphuric acid, c. p.

Potassium hydrate.

Barium chloride.

Sodium acetate.

Ammonium oxalate.

Uranium nitrate.

Potassium chromate.

Sodium carbonate, free from chlorides.

Wire gauze, 5 by 5.

Calcium carbonate, pure.

"Memoranda to accompany the Naval Test Case."





---

STATISTICAL NOMENCLATURE  
OF  
DISEASES, ETC.

---



## GENERAL DISEASES.

### CLASS I.—ZYMOTIC DISEASES.

#### Order I.—Miasmatic Diseases.

Catarrhus epidemicus.	Febris remittens.
Cholera epidemica.	Febris typhus.
Cynanche parotidea.	Morbilli.
Denguis.	Pertussis.
Diphtheria.	Phagedæna putris.
Erysipelas.	Pyæmia.
Febricula.	Roseola.
Febris cerebro-spinalis.	Scarlatina.
Febris continua simplex.	Vaccina.
Febris enterica.	Varicella.
Febris flava.	Variola.
Febris intermittens.	Varioloides.
Febris recidiva.	

#### Order II.—Euthetic Diseases.

Gonorrhœa.	Syphilis primitiva.
Ophthalmia gonorrhœica.	Syphilis consecutiva.

#### Order III.—Dietic Diseases.

Alcoholismus.	Fames.
Delirium tremens.	Scorbutus.
Ebriositas.	

### CLASS II.—CONSTITUTIONAL DISEASES.

#### Order I.—Diathetic Diseases.

Adynamia.	Hydrops.
Anæmia.	Podagra.
Carcinoma.	Rheumatismus acutus.
Diabetes.	Rheumatismus chronicus.
Gangræna senilis.	

#### Order II.—Developmental Diseases.

Atrophia.	Hypertrophia.
Degeneratio.	Senectus.

**Order III.—Tubercular Diseases.**

Scrofula.	Tuberculosis.
-----------	---------------

**CLASS III —PARASITIC DISEASES.**

Scabies.	Vermes.
Tinea.	

**SPECIAL DISEASES.****CLASS IV.—LOCAL DISEASES.****Order I.—Diseases of the Nervous System.**

Apoplexia.	Melancholia.
Cephalalgia.	Meningitis.
Cerebritis.	Myelitis.
Chorea.	Nausea marina.
Dementia.	Neuralgia.
Epilepsia.	Nostalgia.
Insolatio.	Paralysis.
Irritatio spinalis.	Pleurodynia.
Mania.	Tetanus.

**Order II.—Diseases of the Eye and Appendages.**

Amaurosis.	Keratitis.
Asthenopia.	Nyctalopia.
Cataracta.	Ophthalmia.
Conjunctivitis	Ophthalmia tarsi.
Fistula lachrymalis.	Pterygium.
Hemeralopia.	Retinitis.
Hordeolum.	Sclerotitis.
Iritis.	Ulcus corneæ.

**Order III.—Diseases of the Ear.**

Otalgia.	Otorrhœa.
Otitis.	Surditas.

**Order IV.—Diseases of the Teeth.**

Odontalgia.

Parulis.

**Order V.—Diseases of the Circulatory System.**

Aneurysma.

Morbi valvularum cordis.

Angina pectoris.

Palpitatio.

Dilatatio cordis.

Pericarditis.

Endocarditis.

Phlebitis.

Hydrops pericardii.

Syncope.

Hypertrophia cordis.

Varix.

**Order VI.—Diseases of the Respiratory System.**

Apnœa.

Hæmoptysis.

Asthma.

Laryngitis.

Bronchitis acuta.

Phthisis pneumonica acuta.

Bronchitis chronica.

Phthisis pneumonica chronica.

Catarrhus.

Pleuritis.

Epistaxis.

Pneumonia.

Emphysema.

Pneumo-thorax.

Hydrothorax.

**Order VII.—Diseases of the Digestive System.**

Ascites.

Gastritis.

Cholera morbus.

Gastrodynia.

Cirrhosis hepatis.

Hæmatemesis.

Colica.

Hæmorrhoids.

Congestio hepatis.

Hepatitis acuta.

Constipatio.

Hepatitis chronica.

Diarrhœa acuta.

Icterus.

Diarrhœa chronica.

Peritonitis.

Dysenteria acuta.

Pharyngitis.

Dysenteria chronica.

Prolapsus ani.

Dyspepsia.

Rhagades ani.

Enteritis.

Splenitis.

Fauces ulcerosa.

Stomatitis.

Fistula in ano.

Tonsillitis.

**Order VIII.—Diseases of the Urinary and Genital Systems.**

Albuminuria.	Hydrocele.
Balanitis.	Ischuria.
Calculus.	Nephritis.
Chancroid.	Orchitis.
Cystitis.	Paraphymosis.
Dysuria.	Phymosis.
Enuresis.	Spermatorrhœa.
Fistula vesicæ.	Urethræ strictura.
Hæmaturia.	Varicocele.

**Order IX.—Diseases of the Locomotive System.**

Arthritis.	Necrosis.
Ankylosis.	Ostitis.
Caries.	Periostitis.
Coxalgia.	Synovitis.
Hydrops articulorum.	

**Order X.—Diseases of the Integumentary System.**

Abscessus.	Onychia.
Acne.	Paronychia.
Adenitis.	Pemphigus.
Anthrax.	Pernio.
Ecthyma.	Porrigo.
Eczema.	Prurigo.
Erythema.	Psoriasis.
Furunculus.	Rupia.
Herpes.	Unguis involutis.
Impetigo.	Ulcus.
Lepa.	Urticaria.
Lichen.	

**CLASS V.—NON-MALIGNANT TUMORS AND CYSTS.**

Adenoma.	Lipoma.
Angeioma.	Neuroma.
Condyloma.	Osteoma.
Cystis.	Polypus.
Enchondroma.	Sarcoma.
Fibroma.	

CLASS VI.—VIOLENT DISEASES AND DEATHS.

**Order I.—Wounds, Injuries, and Accidents.**

Abrasio.	Stremma.
Ambustio.	Submersio.
Concussio cerebri.	Venenatio.
Congelatio.	Vulnus contusum.
Contusio.	Vulnus incisum.
Explosio.	Vulnus laceratum.
Fractura.	Vulnus punctum.
Hernia.	Vulnus sclopetarium.
Luxatio.	Vulnus venenatum.

**Order II.—Homicide.**

**Order III.—Suicide.**

**Order IV.—Execution.**

NOTE.

Diseases not mentioned should be grouped under the respective orders to which they may belong: *e. g.*, Oesophagitis, Class **IV**, Order **VII**, Diseases of the Digestive System.

For the purposes of amplification, the following examples may be cited:

CLASS I, ORDER I.—*Febris Intermittens*; may be quotidian, etc.

*Febris Remittens*; may be pernicious, etc.

ORDER II.—*Ophthalmia Gonorrhoeica*; may affect right, left, or both eyes.

CLASS II. *Carcinoma*; part affected, variety of, etc.

CLASS III. *Vermes*; variety of, etc.

CLASS IV. *Paralysis*; variety of, part affected, etc.

CLASS VI. *Fractura*; variety of, part affected, etc.

*Hernia*; *Femoral*, *Inguinal*, etc., etc.

Any and all such departures from the prescribed classification of diseases should be noted, the reasons for so doing being given by the medical officer making such addition.



## Ration Notices.

[In manuscript.]

U. S. NAVAL HOSPITAL, \_\_\_\_\_,  
\_\_\_\_\_, 18—.

To \_\_\_\_\_.

SIR :

\_\_\_\_\_, rated on your books as \_\_\_\_\_, has (have) been admitted into the hospital, and the issue of his (their) rations will cease from the \_\_\_\_\_, inclusive.

Respectfully,

[Signature of Medical Officer.]

\_\_\_\_\_  
U. S. NAVAL HOSPITAL, \_\_\_\_\_,  
\_\_\_\_\_, 18—.

To \_\_\_\_\_.

SIR :

\_\_\_\_\_, rated on your books as \_\_\_\_\_, and admitted into this hospital on \_\_\_\_\_, has (have) been this day discharged to \_\_\_\_\_, having been subsisted \_\_\_\_\_ days.

Respectfully,

[Signature of Medical Officer.]

\_\_\_\_\_  
[The names of all persons admitted or discharged on the same day may be included in the respective notices.]

**Supply-Table for Medical Outfit for the Boat of the Medical Officer.**

(To be put up at the Laboratory and supplied as part of the outfit of the vessel.)

Articles.	Quantities.	Uses.
Whisky.....	2 bottles—8 oz ...	} Stimulants for exhausted and wounded men.
Extract of beef.....	1 jar .....	
Laudanum.....	1 bottle—4-oz .....	} To relieve pain.
Chloroform.....	1 bottle—8-oz .....	
Diarrhœa mixture.....	1 bottle—4-oz .....	} To check diarrhœa.
Lime-water and linseed oil, equal parts.	1 pint .....	
Sulphate of zinc.....	4 powders—5 grs .....	} Emetics in cases of poisoning.
Ipecacuanha, fluid ext.....	1 bottle—1-oz .....	
Liq. ferri subsulph.....	1 bottle—4-oz .....	} For arresting hemorrhage and dressing wounds.
Adhesive plaster.....	2 yards .....	
Isinglass plaster.....	1 yard .....	
Lint.....	$\frac{1}{2}$ pound.....	
Muslin.....	2 yards .....	
Bandages, assorted.....	12.....	
Tourniquets, field.....	10.....	
Ligatures, silk.....	6.....	
Needles, threaded.....	3.....	
Pins.....	1 ounce.....	
Scissors.....	1 pair.....	} For administering medicines.
Soap.....	2 ounces.....	
Sponges.....	3.....	
Towels.....	3.....	
Tumbler.....	1.....	
Wine-glass.....	1.....	
Measure-glass, 1-oz.....	1.....	
Teaspoon.....	1.....	
Tablespoon.....	1.....	

Every article to be labeled with its use, and each medicine to be distinctly marked, with directions for administration and quantity of dose.

# Record of Physical Condition.

Name: ———. Race: ———.  
Born: ———, 18—, at ———.  
Complexion: ———. Hair: ———. Eyes: ———  
Other personal characteristics:  
Former residence: ———.  
Former occupation: ———.  
Family history: ———.

Where examined.	Date of examination.		Age.		Weight.		HEIGHT.		THORAX.		Vision (Snellen).		Peculiarities (infirmities).	State of health, etc., prior to examination.	Signature of medical examiner.
	Yes	No	Lbs.	Lbs.	Vertex to ground.	Vertex to peri- neum.	Chest circum- ference.	Expansion.	Sphygmometer.	Vision (Snellen).					













